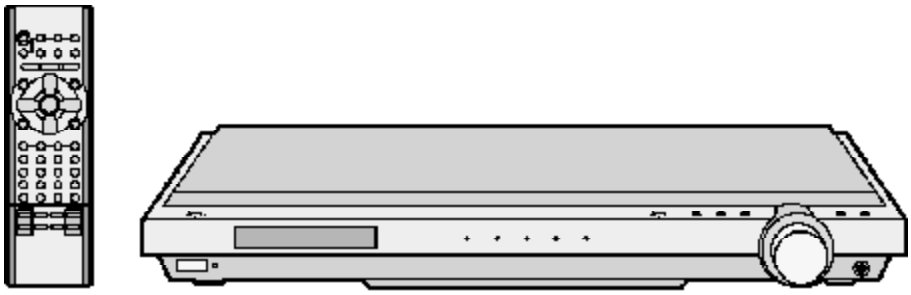
ORDER NO. AD0205097C8

Service Manual

AV Control Receiver

SA-XR10E
SA-XR10EB
SA-XR10EG
SA-XR10GCS
SA-XR10GD
SA-XR10GN

Colour
(S).....Silver Type



SPECIFICATIONS

Specification

● AMPLIFIER SECTION

Power output [at 240V for (EG, GN) area]	
DIN 1kHz (T.H.D. 1%)	**2×100W (6 Ω)**
20Hz-20kHz continuous power output both channels driven	**2×80W(6 Ω)**
Total harmonic distortion	
rated power at 20Hz-20kHz	**0.09% (6 Ω)**
half power at 1kHz	**0.05% (6 Ω)**
Power output at 1kHz each channel driven	
DIN 1kHz (T.H.D. 1%)	
Front	**2×100W (6 Ω)**
Center	**100W (6 Ω)**
Surround	**2×100W (6 Ω)**
Load impedance	
Front	**6-16 Ω**
Center	**6-16 Ω**
Surround	**6-16 Ω**
Frequency response	
DVD, VCR, TV, AUX	**10Hz-44kHz, ± 3dB**
Input sensitivity and impedance	
DVD, VCR, TV, AUX	**200mV/22k Ω**
S/N at rated power (6 Ω)	
DVD, TV (DIGITAL INPUT)	**80dB (IHF, A: 98dB)**
Output voltage	
VCR OUT, LINE OUT	**200mV**
Tone controls	
BASS	**50Hz, +10 to -10dB**
TREBLE	**20kHz, +10 to -10dB**
Channel balance (250Hz-6.3kHz)	**±1dB**
Channel separation	**55dB**
Subwoofer frequency response (-6dB)	**7-200Hz**

Digital input	
Optical	**2**
Coaxial	**1**

● FM TUNER SECTION

Frequency range	**87.50-108.00MHz**
Sensitivity	
S/N 30dB	**1.5 μV/75Ω**
S/N 26dB	**1.3 μV/75Ω**
S/N 20dB	**1.2 μV/75Ω**
IHF usable sensitivity (IHF'58)	**1.5 μV/75Ω**
IHF 46dB stereo quieting sensitivity	**22 μV/75Ω**
Total harmonic distortion	
MONO	**0.2%**
STEREO	**0.3%**
S/N	
MONO	**60dB**
STEREO	**58dB**
Frequency response	
20Hz-15kHz	**+1dB, -2dB**
Alternate channel selectivity	
±400kHz	**65dB**
Capture ratio	**1.5dB**
Image rejection at 98MHz	**40dB**
IF rejection at 98MHz	**70dB**
Spurious response rejection at 98MHz	**70dB**
AM suppression	**50dB**
Stereo separation	
1kHz	**40dB**
Carrir leak	
19kHz	**-30dB**
38kHz	**-50dB**
Channel balance (250Hz-6.3kHz)	**±1.5dB**
Limiting point	**1.2 μV**
Bandwidth	
IF amplifier	**180kHz**
FM demodulator	**1000kHz**
Antenna terminal	**75Ω (unbalanced)**

● **AM TUNER SECTION**

Frequency range	
	522-1611kHz (9kHz steps)
	530-1620kHz (10kHz steps)
Sensitivity	**20 μV, 330 μV/m**

Selectivity (at 999kHz)	**55dB**
IF rejection (at 999kHz)	**50dB**

● **VIDEO SECTION**

Output voltage at 1V input (unbalanced)	**1±0.1Vp-p**
Maximum input voltage	**1.5Vp-p**
Input/output impedance	**75 Ω (unbalanced)**

● **GENERAL**

Power supply	
For (E, EG) areas	**AC230V, 50Hz**
For (EB, GN) areas	**AC230-240V, 50Hz**
For (GD) area	**AC220V, 60Hz**
For (GCS) area	**AC220-240V, 50/60Hz**
Power consumption	**115W**
Dimensions (W×H×D)	**430×52×334mm**
Mass	**3.5kg**

Power consumption in standby mode:	**0.5W**

Notes:

1. **Specifications are subject to change without notice.**

   Mass and dimensions are approximate.
2. **Total harmonic distortion is measured by the digital spectrum analyzer.**

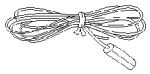
⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

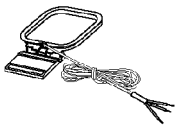
Panasonic

1. Accessories

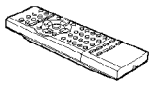
• FM indoor antenna·····1pc.
(RSA0007)



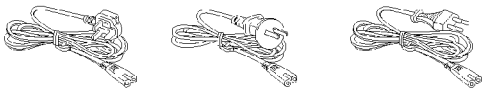
• AM loop antenna set·····1pc.
(RSA0033-C)



• Remote control transmitter·····1pc.
(N2QAJB000045)



• AC power supply cord·····1pc.
For (EB) area: (RJA0053-3X)
For (GN) area: (RJA0035-2X)
For (E,EG,GCS) areas: (RJA0019-2X)
For (GD) area: (RJA0078-1X)



• Antenna plug adaptor·····1pc.
For (EB) area only
(SJP9009)

• Remote control batteries·····2pcs.
Note: These are available on sales root.

• Cleaning cloth...1pc.
(RFE0088-1)

2. Before Repair and Adjustment

1. Turn off the power supply. Using a 10 Ω , 10W resistor, connect both ends of power supply capacitors (C608,625,707,714) in order to discharge the voltage.

2. Before turning the power supply on, after completion of repair, slowly apply the primary voltage by using a power supply voltage controller to make sure that the consumed current at 50/60 Hz in NO SIGNAL mode should be shown below withrespect to supply voltage 230 V/240 V.

Areas	(E,EG)		(EB,GN,GCS)		(GD)	
Power supply voltage	AC 230V		AC 240V		AC 220V	
Consumed current	50 Hz	150-250 mA	50 Hz	150-250 mA	60 Hz	150-250

3. About the Protection Circuitry

The protection circuitry may have operated if either of the following conditions is noticed:
***No sound is heard when the power is supplied.**
***Sound stops during a performance.**
The functions of this circuitry is to prevent circuitry damage, for example, the positive and negative speaker connection wires are “shorted”, or if speaker systems with an impedande less than the indicated rated impedance of thisunit are used.
If this occurs, follow the procedure outlined below:

1. Press the STANDBY /ON button, switch to STANDBY mode.

2. Determine the cause of the problem and correct it.

3. Press the STANDBY /ON button once again, supply the power.

Note:
When the protection circuitry functions, the unit will not operate unless the STANDBY /ON button is first switched STANDBY and then ON again.

4. Caution for AC Main Lead

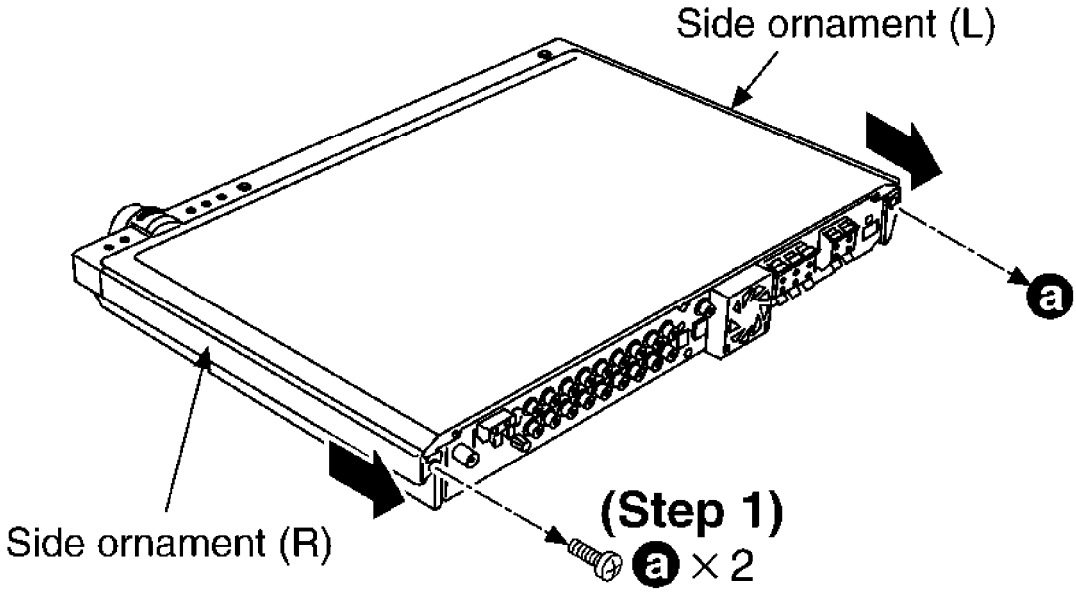
5. Operating Instructions

6. Operation Checks and Component Replacement Procedures

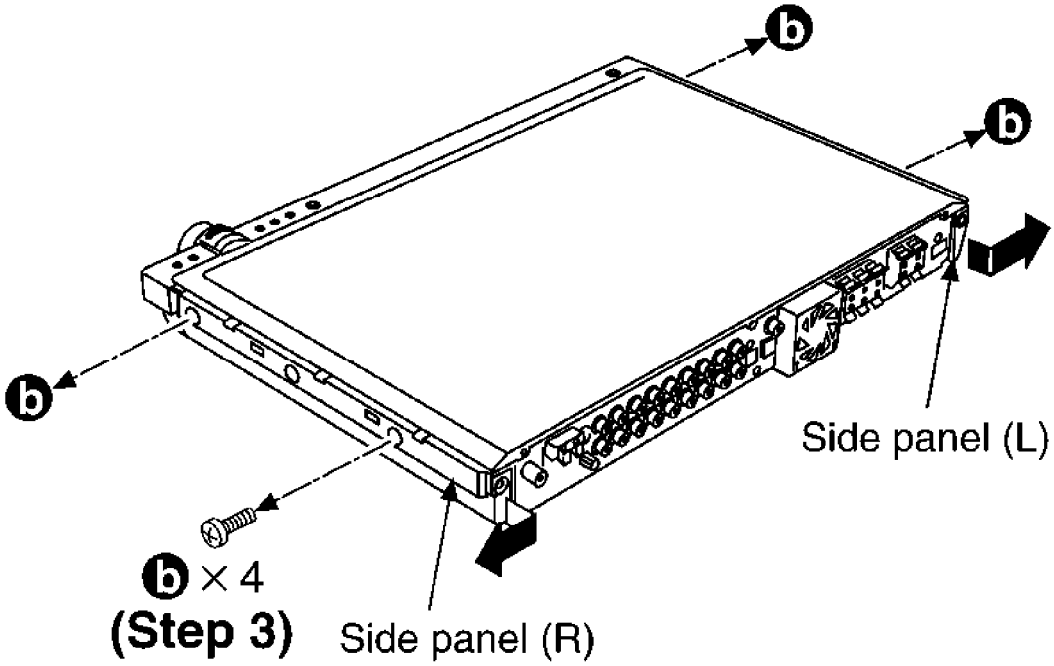
- **This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.**
- **For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.**

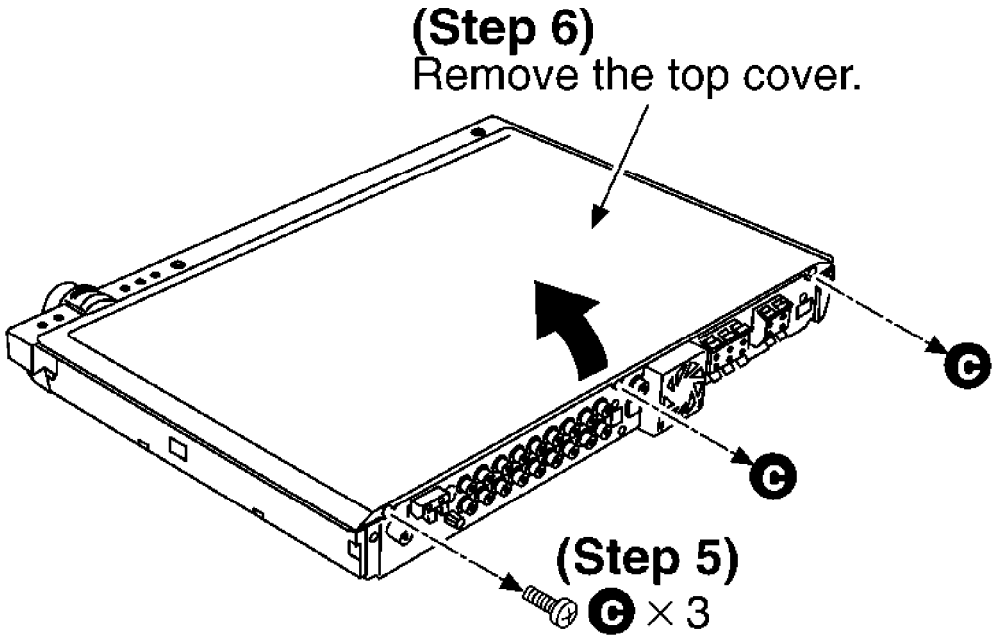
6.1. Checking for the main P.C.B. and DSP P.C.B.

(Step 2)
Slide the side ornament (L), (R), and then remove it.

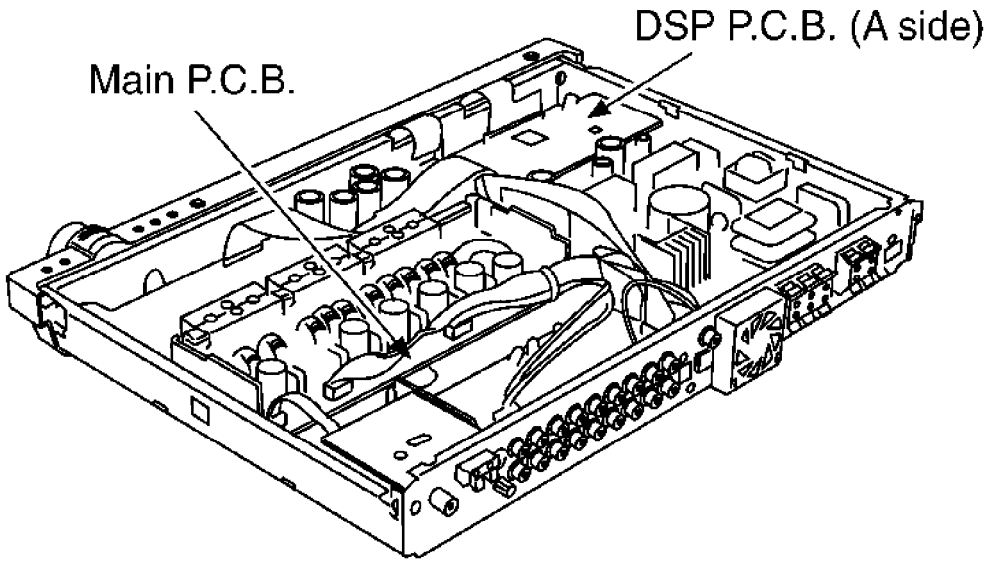


(Step 4)
Slide the side panel (L), (R), and then remove it.

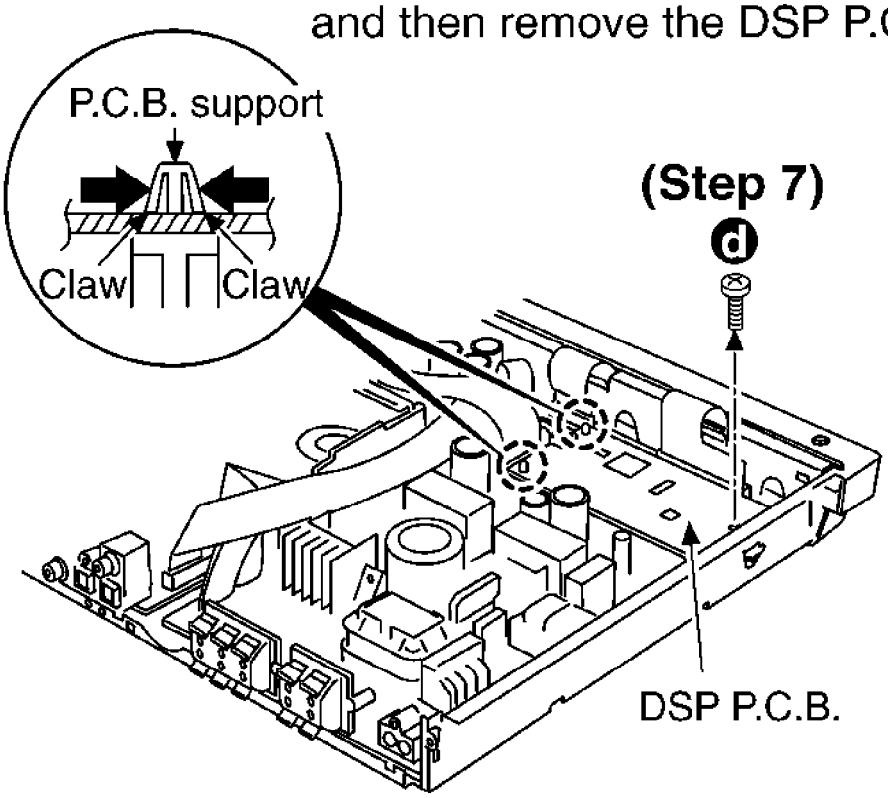




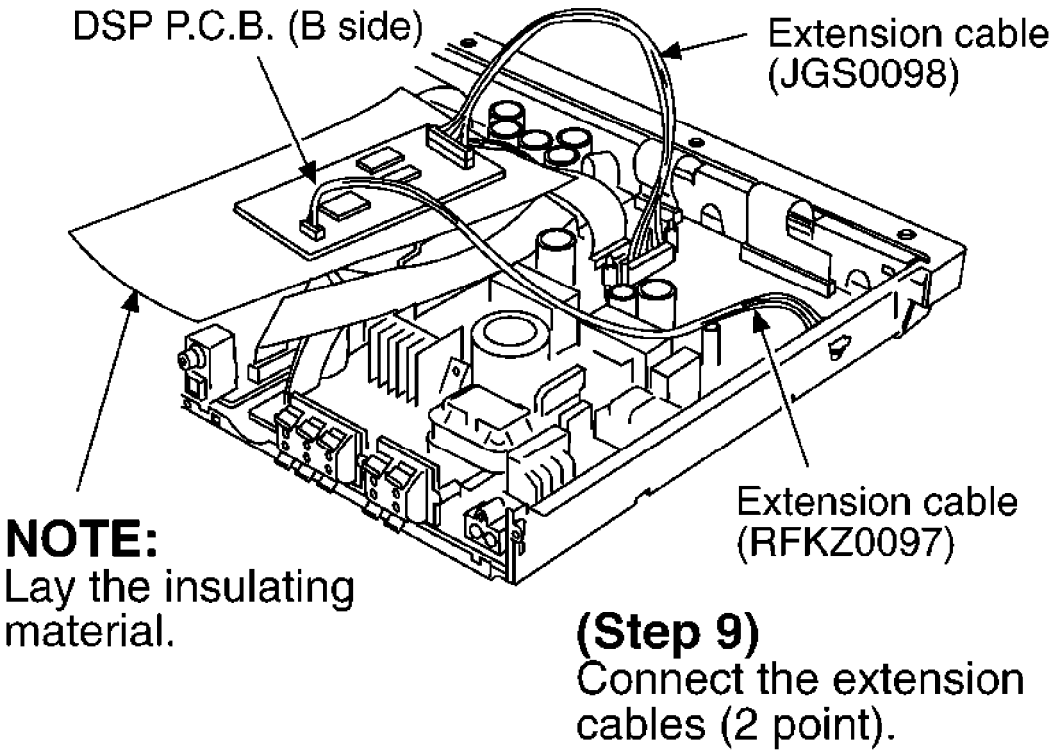
- **Check the main P.C.B. and DSP P.C.B. (A side) as shown below.**



(Step 8)
Release the claws of P.C.B. support, and then remove the DSP P.C.B..

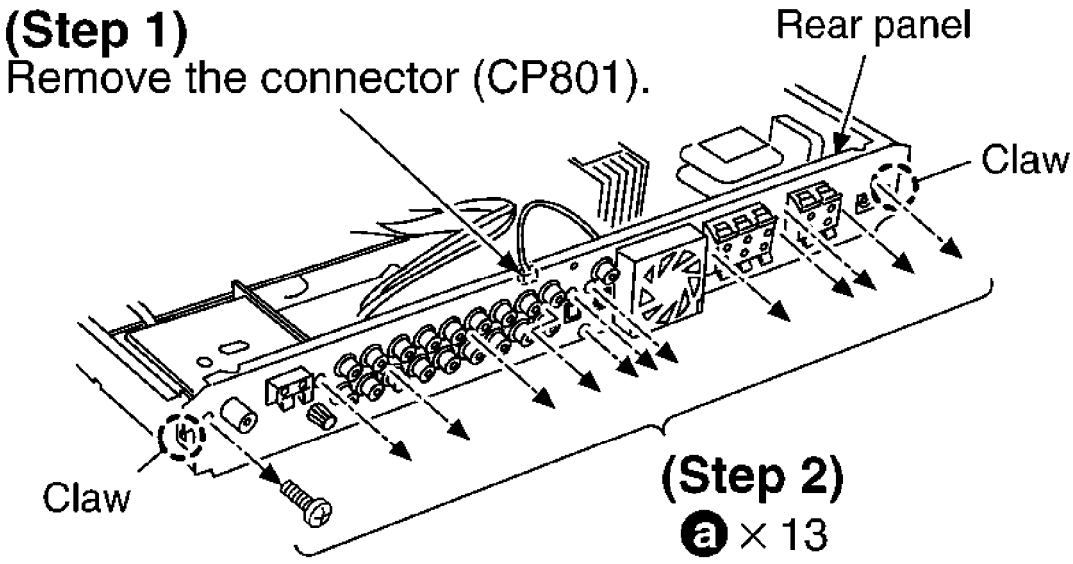


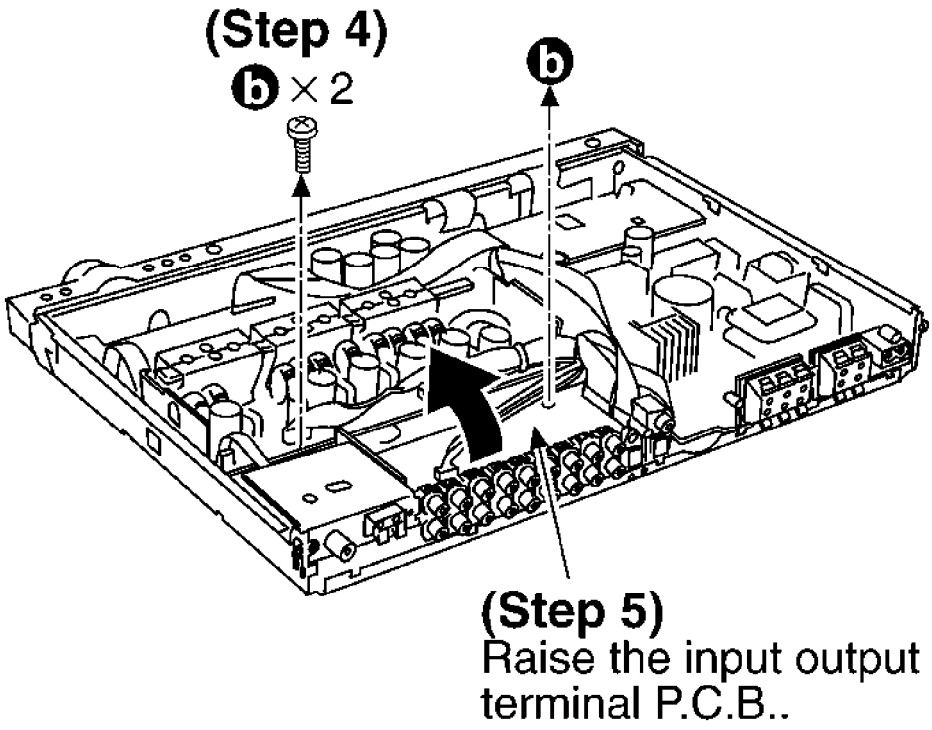
- **Check the DSP P.C.B. (B side) as shown below.**



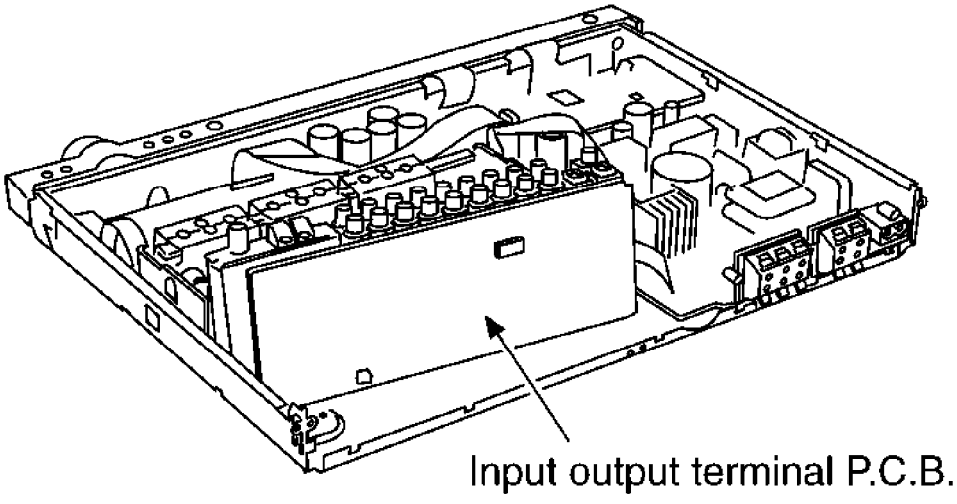
6.2. Checking for the input output terminal P.C.B.

- **Follow the (Step 1) - (Step 6) of item 6.1.**



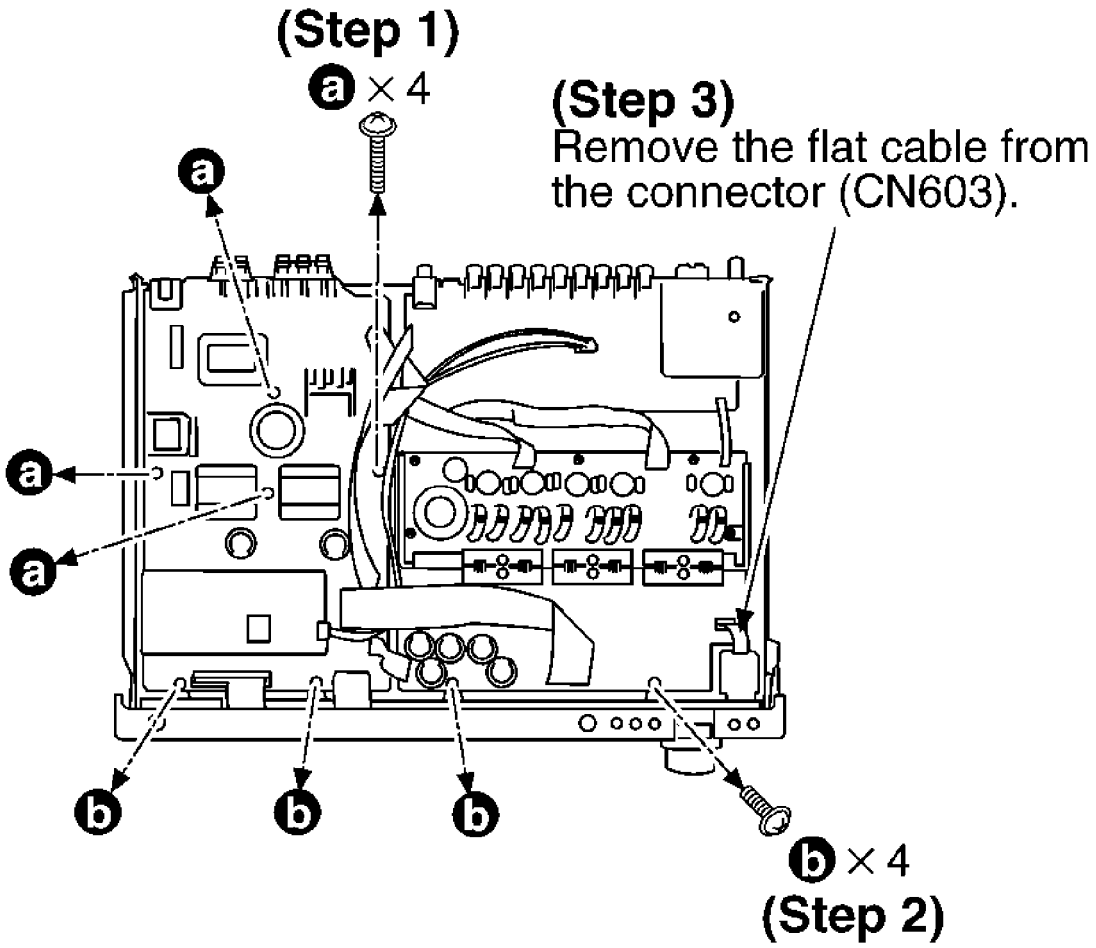


- **Check the input output terminal P.C.B. as shown below.**

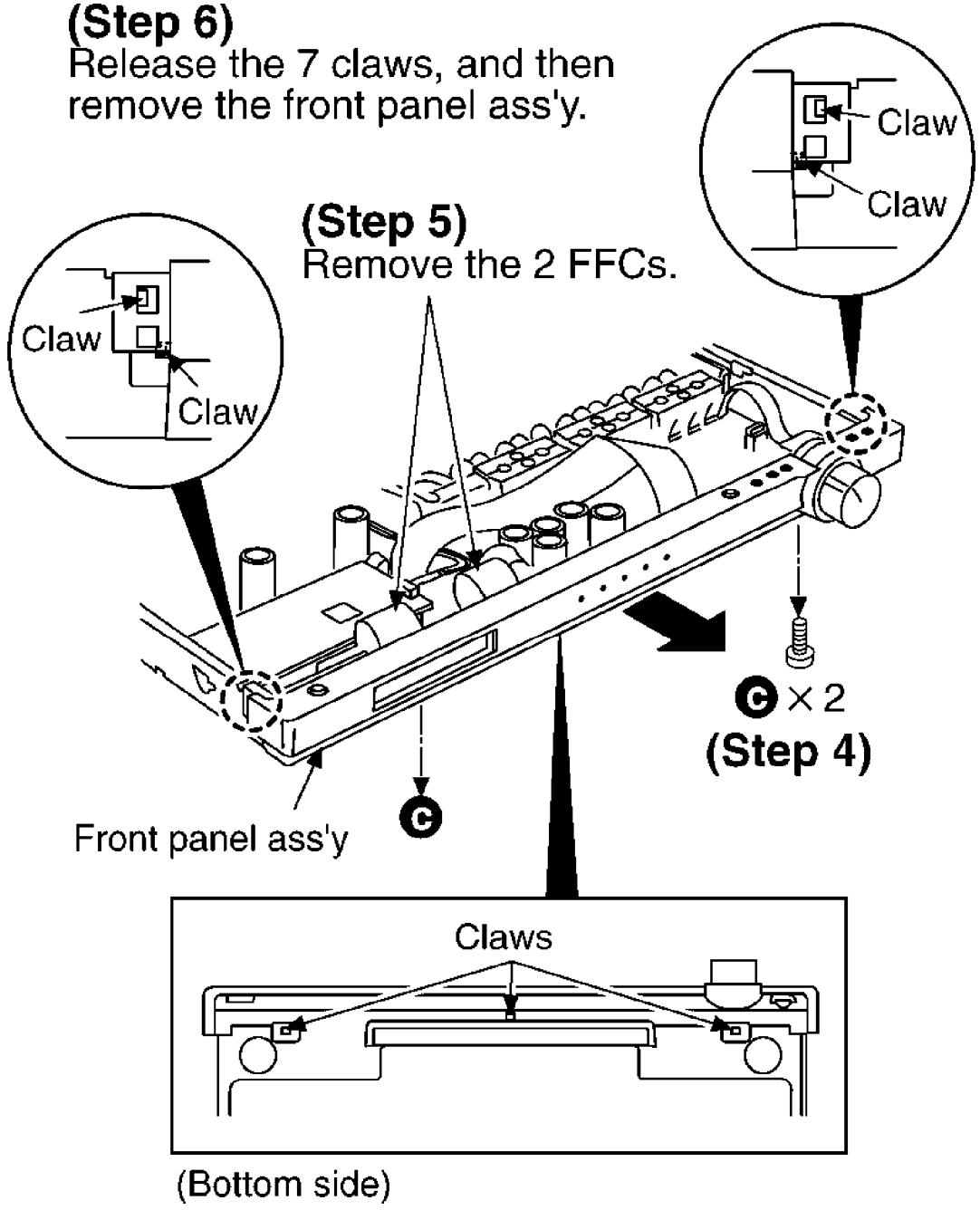


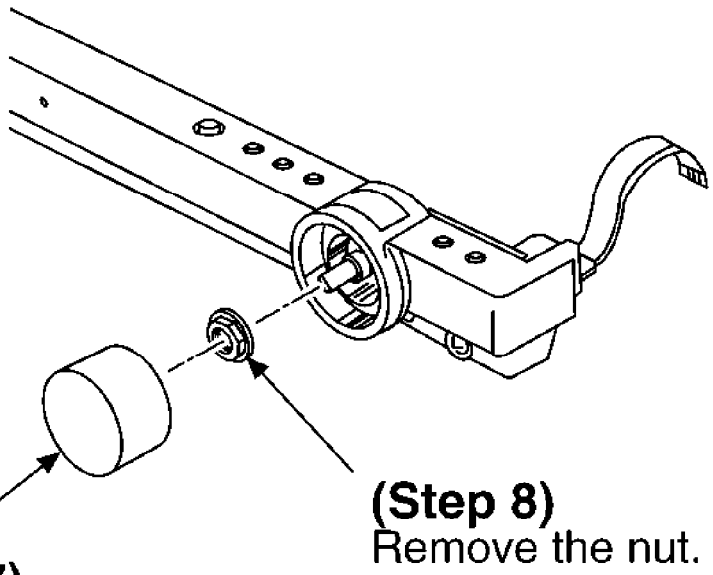
6.3. Checking for the power supply P.C.B.

- **Follow the (Step 1) - (Step 6) of item 6.1.**
- **Follow the (Step 1) - (Step 3) of item 6.2.**


(Step 1)
a ×4
(Step 3)
Remove the flat cable from the connector (CN603).
a
a
a
b
b
b
b ×4
(Step 2)

(Step 6)
Release the 7 claws, and then remove the front panel ass'y.

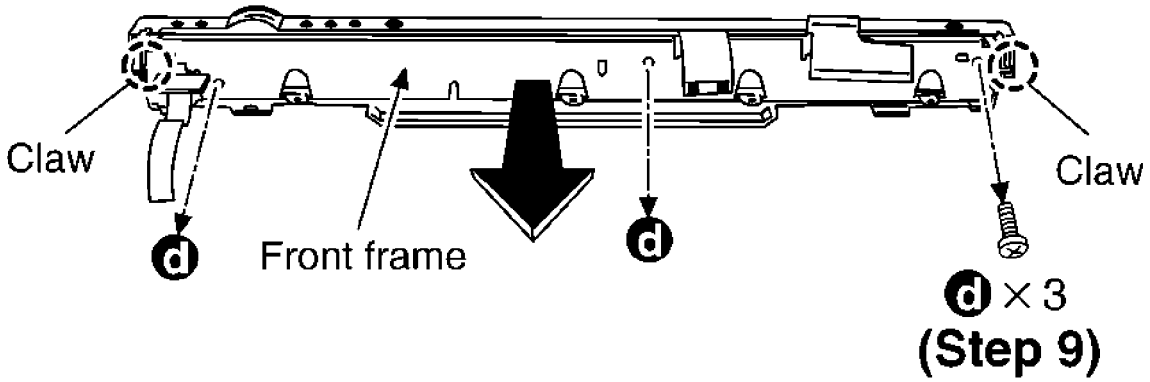




(Step 8)
Remove the nut.

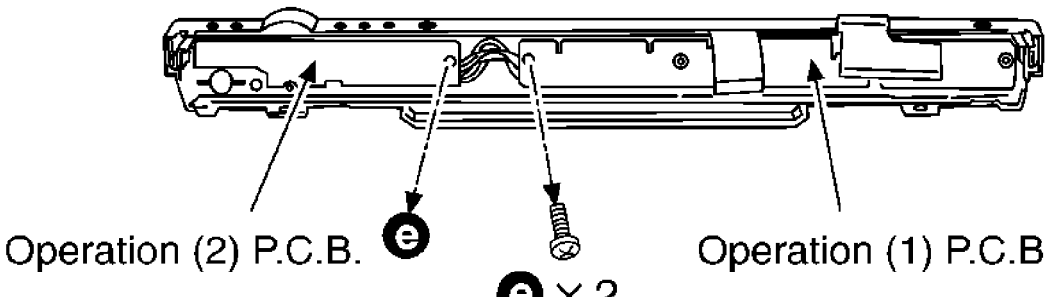
(Step 7)
Remove the volume knob.

(Step 10)
Release the 2 claws, and then remove the front frame.



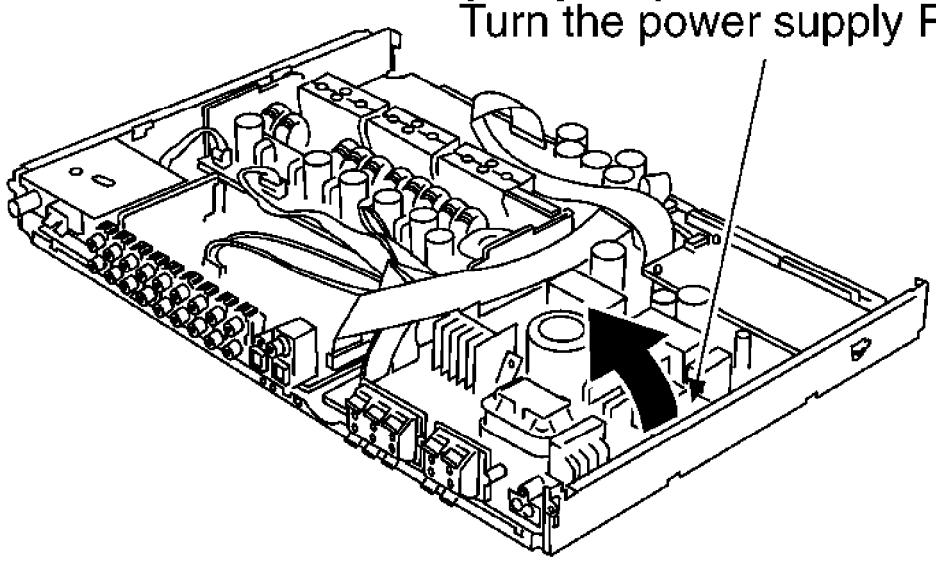
(Step 9)

(Step 12)
Remove the operation (1) P.C.B. and operation (2) P.C.B..

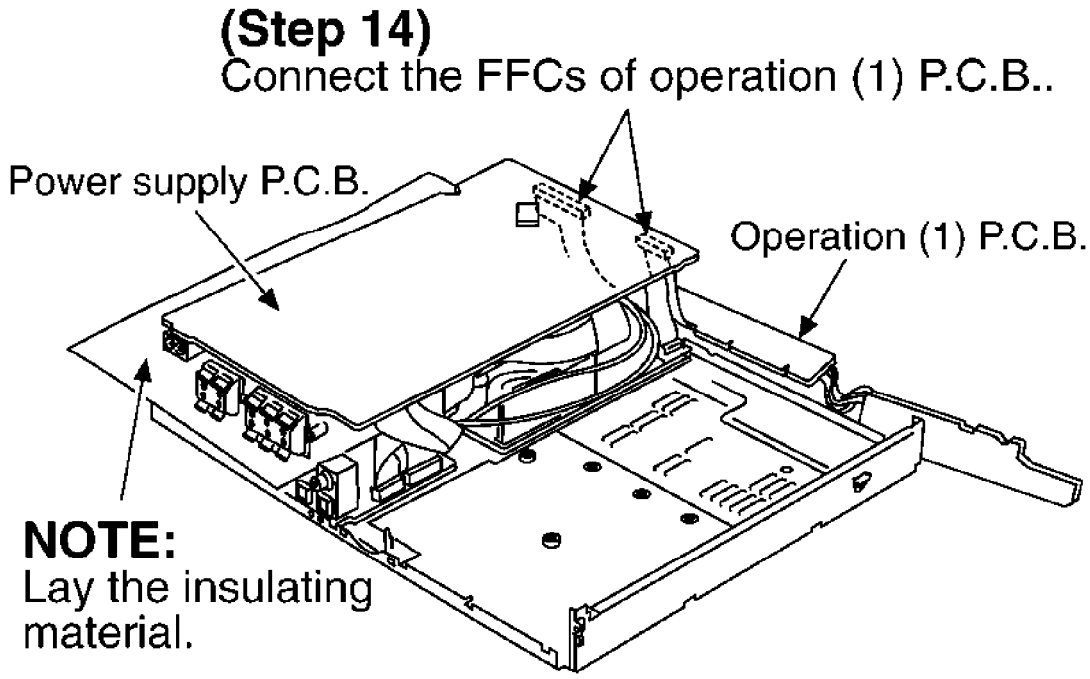


(Step 11)

(Step 13)
Turn the power supply P.C.B..



- **Check the power supply P.C.B. as shown below.**



7. Self-Diagnosis Function

This model is equipped with a self-diagnosis function and shows the folowing indication on the LCD.

Display-contents	Cause	Processing method
F61	Power amp output is abnormal.	Check of power amp and power supply circuit.
F70	Communication error between sub microprocessor and peripheral LSI.	Check between sub microprocessor and peripheral LSI.

8. Schematic Diagram Notes

8.1. Type Illustration of IC's, Transistors and Diodes

8.2. Schematic Diagram Notes

- **This schematic diagram may be modified at any time with the development of new technology.**

Notes:

- **S951: Power Standby/on ( ) switch.**
- **S952: Input selector (INPUT SELECTOR) switch.**
- **S953: Channel selection (TUNER MODE) switch.**
- **S954: Tuning (,TUNING) switch.**
- **S955: Tuning (,TUNING) switch.**
- **S956: FM mode (FM MODE) switch.**
- **S957: Memory (MEMORY) switch.**
- **VR901: Main volume V.R..**
- **Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance)with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internalimpedance of the DC circuit tester.**
  No mark: Power ON
- **Important safety notice:**
  Components identified by ⚠ mark have special characteristics important for safety.
  Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
  When replacing any of components, be sure to use only manufacture's specified parts shown in the parts list.

Caution!

- **Secondary trouble can be prevented by taking care during repair.**
- **IC and LSI are sensitive to static electricity.**
- **Cover the parts boxes made of plastics with aluminum foil.**
- **Ground the soldering iron.**
- **Put a conductive mat on the work table.**
- **Do not touch the legs of IC or LSI with the fingers directly.**

- **Voltage and signal lines**
  - **: Positive voltage line**
  - **: Negative voltage line**
  - **: FM signal line**
  - **: AM signal line**
  - **: FM/AM signal line**
  - **: FM OSC signal line**
  - **: AM OSC signal line**

9. Schematic Diagram

10. Printed Circuit Board Diagram

11. Block Diagram

12. Wiring Connection Diagram

13. Terminal Function of ICs

13.1. IC901 (C2BBGE000607): System Control/FL Drive

Pin NO.	Terminal Name	I/O	Function
1	NC	-	Not used, open
2	VL1	I	LCD drive bias input
3	THERMAL_ DET	I	Thermal detection signal input
4	SHORT_ DET	I	Short circuit detection signal input
5	CRT	I	Power failure time detection signal input
6	AMPRESET	O	Power amp. reset signal output
7	KEY2	I	Operation key (2) signal input
8	KEY1	I	Operation key (1) signal input
9	REG1	I	Region 1 input
10	FAN IN	I	Speaker monitor signal input
11	SER4	O	Audio selection latch signal output
12	SER3	O	Tuner PLL chip enable signal output
13	SER2	O	Serial clock signal output
14	SER1	O	Serial data output
15	EDA	I/O	EEPROM data input/output
16	ECK	O	EEPROM clock signal output (Not used open)
17	ECS	O	EEPROM chip select signal output (Not used open)
18	M_RESET	O	DSP IC (IC1014) reset signal output
19	REQM	O	Request signal output to DSP IC (IC1014)
20	M_CK	O	Clock signal output to DSP IC (IC1014)
21	M_SO	O	Data output to DSP IC (IC1014)
22	M_SI	I	Data input from DSP IC (IC1014)
23	REQS	I	Request signal input from DSP IC (IC1014)
24	RMT	I	Remote control signal input
25	RDS_CLK	I	RDS clock signal input

25	RDS_CLK	I	RDS clock signal input
26	RDS_DATA	I	RDS data signal input

Pin NO.	Terminal Name	I/O	Function
27	AAC_LED	O	AAC LED control signal output
28	DIGITAL_LED	O	DIGITAL LED control signal output
29	DTS_LED	O	DTS LED control signal output
30	AC3_LED	O	AC3 LED control signal output
31	DPL_LED	O	DPL LED control signal output
32	DBSP	O	Power amp. Frequency (48/ 96Hz) setup terminal
33	NC	-	Not used, open
34	SYNC	I	Synchronized signal input for power failure detection
35	RESET	I	Rest signal input
36	XCIN	-	Not ued, connected to GND
37	XCOUT	-	Not used, open
38	XIN	I	Oscillator connected terminal (f=8MHz)
39	X0UT	O	Oscillator connected terminal (f=8MHz)
40	VSS	-	GND terminal
41	DCDET	I	DC power detection signal input
42	PCNT	O	Power control signal output
43	SD	I	Tune detection signal input
44	DO/ST	I	Tuner DO/ST signal input
45	NJM_SW1	O	Video SW1 ON signal output
46	VR_UP_LED	O	Volum up LED control signal output
47	NJM_SW2	O	Video SW2 ON signal output
48	H.P_MUTE	O	Headphon muting signal control
49	PHONE	I	Headphon detection signal input
50	ANALOG_ATT	O	Aalog ATT ON/OFF control signal output
51	MUTE_FRONT	O	Front speaker(L/R) muting signal control
52	MUTE_SR	O	Surround speaker(L/R) muting signal control
53	MUTE_SW	O	Sub woofer muting signal control

Pin NO.	Terminal Name	I/O	Function
54	VR_DOWN_ LED	O	Volum down LED control signal output
55	FAN_OUT	O	FAN control signal output
56	LIGHT	O	Back light control signal output
57-90	LCD38-LCD5	O	LCD segment signal output
91	VCC	-	Power supply terminal (+5V)
92	VREF	-	Reference power supply terminal (+5V)
93	AVSS	-	GND terminal
94-97	LCD4-LCD1	O	LCD common signal output
98, 99	VL3, VL2	I	LCD drive bias input
100	NC	-	Not used, open

14. Replacement Parts List

Notes:

*** Important safety notice:**
Components identified by ⚠ mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
Whenreplacing any of components, be sure to use only manufacture's specified parts shown in the parts list.
*** The parenthesized indications in the Remarks columns specify the areas. Parts without these indications can be used for all areas.**
*** Remote Control Ass'y: Supply period for three years from terminal of production.**
*** Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads(pF), F=Farads (F)**
*** Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM), 1M=1,000K (OHM)**
*** "<IA>, <IB>, <IC>, <ID>, <IE>" marks in Remarks indicate languages of instruction manuals.**
[<IA> : German/Italian/French/Netherlands/Swedish
/Danish, <IB> : English, <IC> : Spanish/Russian/Polish

/Czech, <ID> : Korean, <IE> : Chinese]
***The markings (RTL) indicate that the retention time is limited for these items. After the discontinuation of these assemblies in production, it will no longer be available.**
***All parts are supplied by MESA.**

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	RMC0465	TRANSISTOR HOLDER	6	
2	RMC0477	HEAT SINK HOLD SPRING	2	
3	RMG0588-H	HEAT SINK SHEET	2	
4	SHR411	RIVET	2	
5	XTB3+8JFZ	SCREW	2	
6	XTN26+4F	SCREW	2	
7	REX1102	CONNECTOR ASS'Y(6P)	1	
8	XYN3+F14	SCREW	1	
9	RAN0002EM-1	TUNER PACK	1	
10	REE1147	FFC(14P)	1	
11	REE1148	FFC(17P)	1	
12	REE1149	FFC(25P)	1	
13	REM0104	FAN UNIT(RAL801)	1	
14	RHD30070	SCREW	1	
15	RKA0132-K	FOOT	4	
16	RKF0636-K	FAN COVER	1	
17	L5AABHB00002	LCD(LCD901)	1	
18	REE1150	FFC(17P)	1	
19	RKM0458-S	TOP CABINET	1	
20	RMG0591-K	RUBBER SHEET	1	
22	RGH0164-W	VOL.SHEET	1	
23	RGK1477A-S	FRONT ORNAMENT	1	(E,EB,EG)
23	RGK1477B-S	FRONT ORNAMENT	1	(GCS,GD,GN)
24	RGL0577-Q	LIGHTING PIECE(24A,24B)	1	
25	RGL0582-Q	LCD LIGHTING GUIDE	1	
26	RGL0584-Q	VOL.LIGHTING PIECE	1	
27	RGP0900-S	FRONT PANEL	1	
28	RGU2068-S	BUTTON(28A,28B,28C)	1	
29	RGW0387-S	VOL.KNOB	1	
30	RHN90001	NUT	1	
31	RKW0652-S	REMOCON WINDOW	1	
32	RKW0671-Q	VOL.WINDOW	1	
33	RKW0679-Q	LCD WINDOW	1	
34	XYB3+F8	SCREW	5	
35	RMR1436-Q	LCD SHEET	1	
36	XNSS12	NUT	1	
37	XTBS26+8J	SCREW	5	
38	XTB3+12JFZ	SCREW	6	
39	XTB3+6G	SCREW	4	
40	XTB3+6J	SCREW	4	
41	XTB3+8JFZ	SCREW	2	
42	XTBS3+8JFZ1	SCREW	22	
43	XWE10E16	WASHER	1	
44	RGK1478-S	SIDE ORNAMENT(L)	1	
45	RGK1479-S	SIDE ORNAMENT(R)	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
46	RGP0901-S	SIDE PANEL(L)	1	
47	RGP0902-S	SIDE PANEL(R)	1	
48	XTW3+8T	SCREW	6	
49	RMQ1110	SPACER(A)	1	
50	RMQ1118	SPACER(B)	2	
52	RMN0694	LCD CAP	1	
53	RXQ0868	LCD HOLDER UNIT	1	
54	SHR401-1	RIVET	1	
A1	RSA0007	FM INDOOR ANTENNA	1	N1EAYY000002
A2	SJP9009	ANTENNA PLUG ADAPTOR	1	K1YZ02000013 (EB)
A3	N2QAJB000045	REMOTE CONTROLER	1	
A3-1	HTR028352001	BATTERY COVER	1	
A4	RFE0088-1	CLEANING CLOTH	1	
A5	RJA0019-2X	POWER SUPPLY CORD	1	(E,EG,GCS) ⚠
A5	RJA0035-2X	POWER SUPPLY CORD	1	(GN) ⚠
A5	RJA0053-3X	POWER SUPPLY CORD	1	(EB) ⚠
A5	RJA0078-1X	POWER SUPPLY CORD	1	(GD) ⚠
A6	RQT6502-D	INSTRUCTION MANUAL	1	(EG)<IA>
A6	RQT6503-B	INSTRUCTION MANUAL	1	(E,EB,GCS,GN)<IB>
A6	RQT6504-R	INSTRUCTION MANUAL	1	(E) <IC>
A6	RQT6506-Z	INSTRUCTION MANUAL	1	(GD)<ID>
A6	RQT6507-K	INSTRUCTION MANUAL	1	(GCS)<IE>
A7	RSA0033C	AM LOOP ANTENNA	1	
A8	RQCB0169	SERVICE CENTER LIST	1	
C101	ECEV1CA220SR	16V 22U	1	
C102	ECJ1VB1C104K	16V 0.1U	1	
C103	ECUVNC473KBV	16V 0.047U	1	F1H1C473A071
C104	ECJ1VB1H472K	50V 4700P	1	
C105-08	ECJ1VB1C104K	16V 0.1U	4	
C109	ECEV1CA220SR	16V 22U	1	
C110-12	ECJ1VB1C104K	16V 0.1U	3	
C113	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C114-17	ECUV1H220KCV	50V 22P	4	
C141	ECJ1VB1C104K	16V 0.1U	1	
C142	ECEV1CA220SR	16V 22U	1	
C143,44	ECJ1VB1C104K	16V 0.1U	2	
C145,46	ECUV1H220KCV	50V 22P	2	
C147,48	ECJ1VB1C104K	16V 0.1U	2	
C149	ECEV1CA220SR	16V 22U	1	
C150,51	ECJ1VB1C104K	16V 0.1U	2	
C152,53	ECUV1H220KCV	50V 22P	2	
C154,55	ECJ1VB1C104K	16V 0.1U	2	
C156	F1J2E103A005	250V 0.01U	1	
C157	ECUV1H221JCV	50V 220P	1	ECJ1VC1H221J
C158	ECQE1105KF	100V 1U	1	
C159	F1J1H104A679	50V 0.1U	1	
C160	F1J2E223A005	250V 0.022U	1	
C161	EEUPF1H102E	50V 1000U	1	
C162	F1J1H104A679	50V 0.1U	1	
C163	F1J2E223A005	250V 0.022U	1	
C164	F1J2E103A005	250V 0.01U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C165	ECUV1H221JCV	50V 220P	1	ECJ1VC1H221J
C166	ECQE1105KF	100V 1U	1	
C167	F1J1H104A679	50V 0.1U	1	
C168	F1J2E223A005	250V 0.022U	1	
C169	ECJ1VB1C104K	16V 0.1U	1	
C170	ECEV1CA220SR	16V 22U	1	
C171,72	ECJ1VB1C104K	16V 0.1U	2	
C173,74	ECUV1H220KCV	50V 22P	2	
C175,76	ECJ1VB1C104K	16V 0.1U	2	
C177	ECEV1CA220SR	16V 22U	1	
C178,79	ECJ1VB1C104K	16V 0.1U	2	
C180,81	ECUV1H220KCV	50V 22P	2	
C182,83	ECJ1VB1C104K	16V 0.1U	2	
C184	F1J2E103A005	250V 0.01U	1	
C185	ECUV1H221JCV	50V 220P	1	ECJ1VC1H221J
C186	ECQE1105KF	100V 1U	1	
C187	F1J1H104A679	50V 0.1U	1	
C188	F1J2E223A005	250V 0.022U	1	
C189	EEUPF1H102E	50V 1000U	1	
C190	F1J1H104A679	50V 0.1U	1	
C191	F1J2E223A005	250V 0.022U	1	
C192	F1J2E103A005	250V 0.01U	1	
C193	ECUV1H221JCV	50V 220P	1	ECJ1VC1H221J
C194	ECQE1105KF	100V 1U	1	
C195	F1J1H104A679	50V 0.1U	1	
C196	F1J2E223A005	250V 0.022U	1	
C197	ECJ1VB1C104K	16V 0.1U	1	
C301	ECEV1CA220SR	16V 22U	1	
C302	ECJ1VB1C104K	16V 0.1U	1	
C303	ECUVNC473KBV	16V 0.047U	1	F1H1C473A071
C304	ECJ1VB1H472K	50V 4700P	1	
C305-08	ECJ1VB1C104K	16V 0.1U	4	
C309	ECEV1CA220SR	16V 22U	1	
C310-12	ECJ1VB1C104K	16V 0.1U	3	
C313	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C314-17	ECUV1H220KCV	50V 22P	4	
C341	ECJ1VB1C104K	16V 0.1U	1	
C342	ECEV1CA220SR	16V 22U	1	
C343,44	ECJ1VB1C104K	16V 0.1U	2	
C345,46	ECUV1H220KCV	50V 22P	2	
C347,48	ECJ1VB1C104K	16V 0.1U	2	
C349	ECEV1CA220SR	16V 22U	1	
C350,51	ECJ1VB1C104K	16V 0.1U	2	
C352,53	ECUV1H220KCV	50V 22P	2	
C354,55	ECJ1VB1C104K	16V 0.1U	2	
C356	F1J2E103A005	250V 0.01U	1	
C357	ECUV1H221JCV	50V 220P	1	ECJ1VC1H221J
C358	ECQE1105KF	100V 1U	1	
C359	F1J1H104A679	50V 0.1U	1	
C360	F1J2E223A005	250V 0.022U	1	
C361	EEUPF1H102E	50V 1000U	1	
C362	F1J1H104A679	50V 0.1U	1	
C363	F1J2E223A005	250V 0.022U	1	
C364	F1J2E103A005	250V 0.01U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C365	ECUV1H221JCV	50V 220P	1	ECJ1VC1H221J
C366	ECQE1105KF	100V 1U	1	
C367	F1J1H104A679	50V 0.1U	1	
C368	F1J2E223A005	250V 0.022U	1	
C369	ECJ1VB1C104K	16V 0.1U	1	
C370	ECEV1CA220SR	16V 22U	1	
C371,72	ECJ1VB1C104K	16V 0.1U	2	
C373,74	ECUV1H220KCV	50V 22P	2	
C375,76	ECJ1VB1C104K	16V 0.1U	2	
C377	ECEV1CA220SR	16V 22U	1	
C378,79	ECJ1VB1C104K	16V 0.1U	2	
C380,81	ECUV1H220KCV	50V 22P	2	
C382,83	ECJ1VB1C104K	16V 0.1U	2	
C384	F1J2E103A005	250V 0.01U	1	
C385	ECUV1H221JCV	50V 220P	1	ECJ1VC1H221J
C386	ECQE1105KF	100V 1U	1	
C387	F1J1H104A679	50V 0.1U	1	
C388	F1J2E223A005	250V 0.022U	1	
C389	EEUPF1H102E	50V 1000U	1	
C390	F1J1H104A679	50V 0.1U	1	
C391	F1J2E223A005	250V 0.022U	1	
C392	F1J2E103A005	250V 0.01U	1	
C393	ECUV1H221JCV	50V 220P	1	ECJ1VC1H221J
C394	ECQE1105KF	100V 1U	1	
C395	F1J1H104A679	50V 0.1U	1	
C396	F1J2E223A005	250V 0.022U	1	
C401	ECUV1H681JCV	50V 680P	1	ECJ1VC1H681J
C402	ECUV1H331JCV	50V 330P	1	F1H1H331A004
C403	ECUV1H681JCV	50V 680P	1	ECJ1VC1H681J
C404	ECUV1H331JCV	50V 330P	1	F1H1H331A004
C405	ECJ1VB1C104K	16V 0.1U	1	
C411,12	ECUV1H681JCV	50V 680P	2	ECJ1VC1H681J
C441	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C501	ECEV1CA220SR	16V 22U	1	
C502	ECJ1VB1C104K	16V 0.1U	1	
C503	ECUVNC473KBV	16V 0.047U	1	F1H1C473A071
C504	ECJ1VB1H472K	50V 4700P	1	
C505-08	ECJ1VB1C104K	16V 0.1U	4	
C509	ECEV1CA220SR	16V 22U	1	
C510-12	ECJ1VB1C104K	16V 0.1U	3	
C513	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C514,15	ECUV1H220KCV	50V 22P	2	
C541	ECJ1VB1C104K	16V 0.1U	1	
C542	ECEV1CA220SR	16V 22U	1	
C543,44	ECJ1VB1C104K	16V 0.1U	2	
C545,46	ECUV1H220KCV	50V 22P	2	
C547,48	ECJ1VB1C104K	16V 0.1U	2	
C549	ECEV1CA220SR	16V 22U	1	
C550,51	ECJ1VB1C104K	16V 0.1U	2	
C552,53	ECUV1H220KCV	50V 22P	2	
C554,55	ECJ1VB1C104K	16V 0.1U	2	
C556	F1J2E103A005	250V 0.01U	1	
C557	ECUV1H221JCV	50V 220P	1	ECJ1VC1H221J
C558	ECQE1105KF	100V 1U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C559	F1J1H104A679	50V 0.1U	1	
C560	F1J2E223A005	250V 0.022U	1	
C561	EEUPF1H102E	50V 1000U	1	
C562	F1J1H104A679	50V 0.1U	1	
C563	F1J2E223A005	250V 0.022U	1	
C564	F1J2E103A005	250V 0.01U	1	
C565	ECUV1H221JCV	50V 220P	1	ECJ1VC1H221J
C566	ECQE1105KF	100V 1U	1	
C567	F1J1H104A679	50V 0.1U	1	
C568	F1J2E223A005	250V 0.022U	1	
C569	F1H1H104A783	50V 0.1U	1	
C570	ECEV1HA2R2SR	50V 2.2U	1	
C571	F1H1H104A783	50V 0.1U	1	
C572	ECJ1VB1C104K	16V 0.1U	1	
C574	ECUV1H220KCV	50V 22P	1	
C577	ECEV1HA2R2SR	50V 2.2U	1	
C578	F1H1H104A783	50V 0.1U	1	
C579	ECJ1VB1C104K	16V 0.1U	1	
C581	ECUV1H220KCV	50V 22P	1	
C601	F1K2A1040003	100V 0.1U	1	
C602	F1J2E103A005	250V 0.01U	1	
C603	F1K2A1040003	100V 0.1U	1	
C604	F1J2E103A005	250V 0.01U	1	
C605	EEUPF1J821SE	63V 820U	1	
C606	F1K2A1040003	100V 0.1U	1	
C607	F1J2A103A016	100V 0.01U	1	
C608	EEUPF1J821SE	63V 820U	1	
C610-12	EEUPF1J821SE	63V 820U	3	
C613	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C614-16	ECJ1VB1C104K	16V 0.1U	3	
C617,18	ECUV1H220KCV	50V 22P	2	
C619,20	ECUV1H560GCV	50V 56P	2	F1H1H560A002
C621	F1J1H104A679	50V 0.1U	1	
C622	ECJ1VB1C104K	16V 0.1U	1	
C624	F1L2E224A008	250V 0.22U	1	
C625	EEUPF1H102E	50V 1000U	1	
C626	F1J1H104A679	50V 0.1U	1	
C627	F1J2A103A016	100V 0.01U	1	
C628	F1L2E224A008	250V 0.22U	1	
C629,30	ECUVNH103KBV	50V 0.01U	2	F1H1H103A748
C631,32	ECEV0GA221SP	4V 220U	2	
C633	ECJ1VB1C104K	16V 0.1U	1	
C635	ECUV1H331JCV	50V 330P	1	F1H1H331A004
C636	ECUV1H681JCV	50V 680P	1	ECJ1VC1H681J
C638	ECJ1VB1C104K	16V 0.1U	1	
C639	ECUV1H331JCV	50V 330P	1	F1H1H331A004
C640	ECUV1H681JCV	50V 680P	1	ECJ1VC1H681J
C641	ECUV1H221JCV	50V 220P	1	ECJ1VC1H221J
C643-45	ECJ1VB1C104K	16V 0.1U	3	
C646	ECUVNH102JCV	50V 1000P	1	F1H1H102A737
C647	ECUV1H220KCV	50V 22P	1	
C648	ECUVNH102JCV	50V 1000P	1	F1H1H102A737
C649	ECUV1H220KCV	50V 22P	1	
C650	ECJ1VB1H472K	50V 4700P	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C651	ECUV1H221JCV	50V 220P	1	ECJ1VC1H221J
C652	ECJ1VB1C104K	16V 0.1U	1	
C653,54	ECEV1CA100SR	16V 10U	2	
C655	ECUV1H101KCV	50V 100P	1	F1H1H101A720
C656	ECUV1H221JCV	50V 220P	1	ECJ1VC1H221J
C658	ECUVNA224KBV	10V 0.22U	1	F1H1A224A028
C659-63	ECUV1H220KCV	50V 22P	5	
C665-68	ECUV1H101JCV	50V 100P	4	F1H1H101A004
C670	ECUV1H101JCV	50V 100P	1	F1H1H101A004
C671	ECJ1VB1C104K	16V 0.1U	1	
C672	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C673-77	ECUV1H101JCV	50V 100P	5	F1H1H101A004
C679	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C680	ECEV1CA470SP	16V 47U	1	
C681	ECJ1VB1C104K	16V 0.1U	1	
C682	ECEV1CA470SP	16V 47U	1	
C683,84	ECJ1VB1C104K	16V 0.1U	2	
C685	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C688,89	ECUV1H681JCV	50V 680P	2	ECJ1VC1H681J
C690	ECEV1EA4R7SR	25V 4.7U	1	
C691	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C694	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C695	ECEV1CA470SP	16V 47U	1	
C696	ECUVNA105KBN	10V 1U	1	F1J1A105A003
C697	ECJ1VB1C104K	16V 0.1U	1	
C698	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C699	ECUVNA105KBN	10V 1U	1	F1J1A105A003
C701-03	ECQU2A224MLC	0.22U	3	⚠
C704	VCK0286B471	470P	1	F1BAF471A013 ⚠
C706	ECBT1H471KB3	50V 470P	1	
C707	F2B2G1810014	400V 180U	1	
C708	ECKR2H103ZU	100V 0.01U	1	
C709	ECKE3D821KBP	2KV 820P	1	
C710	ECA1EAK470XB	25V 47U	1	
C711	ECBT1H221KB3	50V 220P	1	
C712,13	ECKR2H103ZU	100V 0.01U	2	
C714,15	EEUPF1J102UE	63V 1000U	2	
C716	EEUPF1V102E	35V 1000U	1	
C717	EEUPF1E471LE	25V 470U	1	
C718	ECBT1H103KB5	50V 1000P	1	
C719	VCK0286E102	0.001U	1	F1BAF1020011 ⚠
C720	ECBT1H102KB3	16V 1000P	1	
C721	ECKWRS102MBC	1000P	1	⚠
C722	RCE1HKA4R7BG	50V 4.7U	1	F2A1H4R70009
C723	ECBT1H103KB5	50V 0.01U	1	
C724	ECA1CAM102X	16V 1000U	1	
C725,26	ECBT1H103KB5	50V 0.01U	2	
C727,28	ECA1HAK010XI	50V 1U	2	
C730	VCK0286B471	470P	1	F1BAF471A013 ⚠
C731-33	ECEA1AKS220B	10V 22U	3	
C741,42	ECKR2H103ZU	100V 0.01U	2	
C743,44	ECBT1H103KB5	50V 0.01U	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C751,52	ECJ2VF1H104Z	50V 0.1U	2	
C753	ECA1HAK2R2XB	50V 2.2U	1	
C763-72	ECBT1H102KB3	16V 1000P	10	
C801	ECA1VAM101XB	35V 100U	1	
C802	EEUFC0J821B	6.3V 820U	1	
C803	ECA1VAM101XB	35V 100U	1	
C804	EEUFC1E271B	25V 270U	1	
C805-07	ECA1EAM101XB	25V 100U	3	
C811-13	RCE1CKA470BG	16V 47U	3	F2A1C470A017
C814	ECA0JAK101XB	6.3V 100U	1	
C819-23	ECA1EAK100XB	25V 10U	5	
C826-28	ECA0JAK101XB	6.3V 100U	3	
C829	RCE1CKA470BG	16V 47U	1	F2A1C470A017
C830,31	ECA1VM221	35V 220U	2	
C832	ECA1CAK330XB	16V 33U	1	
C833	ECA1EAM101XB	25V 100U	1	
C834	RCE1HKA4R7BG	50V 4.7U	1	F2A1H4R70009
C835	ECUVNC104ZFV	16V 0.1U	1	F1H1C104A072
C836	ECUV1H101JCV	50V 100P	1	F1H1H101A004
C837	ECA1HAK010XI	50V 1U	1	
C838	ECUV1H470JCV	50V 47P	1	F1H1H470A736
C839	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C840	ECJ1VF1C474Z	16V 0.47U	1	
C841	ECUV1H470JCV	50V 47P	1	F1H1H470A736
C842	ECUV1H331KBV	50V 330P	1	ECJ1VB1H331K
C843-60	ECUV1H101JCV	50V 100P	18	F1H1H101A004
C861,62	ECUV1H331KBV	50V 330P	2	ECJ1VB1H331K
C863,64	ECUV1H101JCV	50V 100P	2	F1H1H101A004
C865,66	ECUV1H331KBV	50V 330P	2	ECJ1VB1H331K
C868	ECUVNC104ZFV	16V 0.1U	1	F1H1C104A072
C870-74	ECUVNC104ZFV	16V 0.1U	5	F1H1C104A072
C875-78	ECUV1H101JCV	50V 100P	4	F1H1H101A004
C879-82	ECUVNC104ZFV	16V 0.1U	4	F1H1C104A072
C883,84	ECUV1H391KBV	50V 390P	2	ECJ1VB1H391K
C885	ECUVNC104ZFV	16V 0.1U	1	F1H1C104A072
C886,87	ECUV1H151KBV	50V 150P	2	F1H1H151A013
C888,89	ECUVNC104ZFV	16V 0.1U	2	F1H1C104A072
C890	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C894-96	ECUVNH103KBV	50V 0.01U	3	F1H1H103A748
C897	ECUV1H101JCV	50V 100P	1	F1H1H101A004
C898,99	ECJ1VF1C474Z	16V 0.47U	2	
C901	ECA0JAK101XB	6.3V 100U	1	
C902	ECBT1H104KB5	50V 0.1U	1	F1D1H1040002
C903	ECA0JAM102XB	6.3V 1000U	1	
C904	ECBT1H102KB3	16V 1000P	1	
C905	ECBT1H103KB5	50V 0.01U	1	
C906	ECEA1AKS220B	10V 22U	1	
C907,08	ECBT1H561KB3	50V 560P	2	
C909	ECEA1CKS100	16V 10U	1	
C910,11	ECBT1H103KB5	50V 0.01U	2	
C912	ECA1HAK2R2XB	50V 2.2U	1	
C913	ECBT1H103KB5	50V 0.01U	1	
C914	ECBT1H102KB3	16V 1000P	1	
C941	ECA1HAK010XI	50V 1U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C951	ECBT1H103KB5	50V 0.01U	1	
C952,53	ECBT1H473KB5	50V 0.047U	2	F1D1H473A012
C981	ECJ1VB1H102K	50V 1000P	1	(E,EB,EG)
C982,83	ECUV1H470JCV	50V 47P	2	F1H1H470A736 (E,EB,EG)
C984	ECUV1H331KBV	50V 330P	1	ECJ1VB1H331K (E,EB,EG)
C985	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748 (E,EB,EG)
C986	ECJ1VB1H561K	50V 560P	1	(E,EB,EG)
C987	ECJ1VB1H102K	50V 1000P	1	(E,EB,EG)
C988,89	RCE1CKA470BG	16V 47U	2	F2A1C470A017 (E,EB,EG)
C990	ECA1EAK100XB	25V 10U	1	(E,EB,EG)
C1001	ECUV1H221KBV	50V 220P	1	F1H1H2210001
C1002	ECJ1VB1H102K	50V 1000P	1	
C1003	ECJ1VB1C104K	16V 0.1U	1	
C1004	ECEV0JA101SP	6.3V 100U	1	
C1005	ECJ1VB1C104K	16V 0.1U	1	
C1006-08	ECEV0JA101SP	6.3V 100U	3	
C1009	ECJ1VB1H102K	50V 1000P	1	
C1010-14	ECJ1VB1C104K	16V 0.1U	5	
C1015	ECJ1VB1H102K	50V 1000P	1	
C1016	ECJ1VB1C104K	16V 0.1U	1	
C1017	ECEV1HA2R2SR	50V 2.2U	1	
C1018	ECUV1H471KBV	50V 470P	1	F1H1H471A013
C1019	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C1020,21	ECEV0JA101SP	6.3V 100U	2	
C1022	ECJ1VB1C104K	16V 0.1U	1	
C1023	ECUV1H330GCV	50V 33P	1	ECJ1VC1H330K
C1024,25	ECJ1VB1C104K	16V 0.1U	2	
C1026	ECJ1VC1H120J	50V 12P	1	
C1027	ECEV0JA470SR	6.3V 47U	1	
C1028	ECJ1VC1H120J	50V 12P	1	
C1029,30	ECUV1H101JCV	50V 100P	2	F1H1H101A004
C1031,32	ECJ1VB1H102K	50V 1000P	2	
C1033	ECUV1H220KCV	50V 22P	1	
C1034,35	ECJ1VB1C104K	16V 0.1U	2	
C1036-39	ECUV1H101JCV	50V 100P	4	F1H1H101A004
C1040	ECJ1VB1H102K	50V 1000P	1	
C1041-43	ECJ1VB1C104K	16V 0.1U	3	
C1044	F1H1A474A028	10V 0.47U	1	
C1045	ECEV1CA100SR	16V 10U	1	
C1046	ECJ1VB1C104K	16V 0.1U	1	
C1047	ECUV1H101JCV	50V 100P	1	F1H1H101A004
C1048,49	ECEV1CA100SR	16V 10U	2	
C1050-53	ECJ1VB1C104K	16V 0.1U	4	
C1054,55	ECJ1VB1H222K	50V 2200P	2	
C1056,57	ECJ1VB1C104K	16V 0.1U	2	
C1058,59	ECEV1CA100SR	16V 10U	2	
C1060,61	ECJ1VB1H102K	50V 1000P	2	
C1062	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C1063	ECEV1CA100SR	16V 10U	1	
C1064,65	ECJ1VB1C104K	16V 0.1U	2	
C1066	ECEV1CA100SR	16V 10U	1	
C1067	ECJ1VB1C104K	16V 0.1U	1	
C1068,69	ECUVNH103KBV	50V 0.01U	2	F1H1H103A748
C1070	ECJ1VB1C104K	16V 0.1U	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C1071	ECEV1HA010SR	50V 1U	1	
C1072	ECEV0JA101SP	6.3V 100U	1	
C1073,74	ECJ1VB1C104K	16V 0.1U	2	
C1075	ECEV1HA010SR	50V 1U	1	
C1076	ECJ1VB1C104K	16V 0.1U	1	
C1077-80	ECUV1H101JCV	50V 100P	4	F1H1H101A004
C1081	ECEV1HA010SR	50V 1U	1	
C1082	ECUVNH103KBV	50V 0.01U	1	F1H1H103A748
C1083	ECJ1VB1H102K	50V 1000P	1	
C1084	ECJ1VB1C104K	16V 0.1U	1	
C1085	F1H1H100A244	50V 10P	1	
C1086	ECJ1VB1C104K	16V 0.1U	1	
C1087,88	ECUV1H180JCV	50V 18P	2	ECJ1VC1H180J
C1089	ECUV1H220KCV	50V 22P	1	
C1090	ECJ1VB1C104K	16V 0.1U	1	
CF1001	H2D400400010	OSCILLATOR	1	
CN201	RJS2A5625	CONNECTOR(25P)	1	K1MN25A00012
CN203	RJS1A6606T1	CONNECTOR(6P)	1	K1MP06A00009
CN501	RJS1A6603T1	CONNECTOR(3P)	1	K1MP03A00010
CN601,02	RJS1A6606T1	CONNECTOR(6P)	2	K1MP06A00009
CN603	RJS1A6605T1	CONNECTOR(5P)	1	K1MP05A00010
CN802	RJU100W11	CONNECTOR(11P)	1	K1KB11A00020
CN901	RJS1A6817	CONNECTOR(17P)	1	K1MN17A00018
CN901B	RJS1A6817	CONNECTOR(17P)	1	K1MN17A00018
CN902	RJS1A6814	CONNECTOR(14P)	1	K1MN14A00017
CN902B	RJS1A6814	CONNECTOR(14P)	1	K1MN14A00017
CN903	RJS1A6838	CONNECTOR(38P)	1	K1MN38A00002
CN904	RJS1A6817	CONNECTOR(17P)	1	K1MN17A00018
CN905	RJS2A5625	CONNECTOR(25P)	1	K1MN25A00012
CN906	VJP4369E026B	CONNECTOR(26P)	1	K1KA26A00089
CN907	K1KA10A00278	CONNECTOR(10P)	1	
CN951	RJS1A6717-Q	CONNECTOR(17P)	1	K1MN17B00022
CN981	RJS1A6603T1	CONNECTOR(3P)	1	K1MP03A00010 (E,EB,EG)
CN1001	K1KA06B00054	CONNECTOR(6P)	1	
CN1002	K1KB26A00027	CONNECTOR(26P)	1	
CN1003	K1KB10A00092	CONNECTOR(10P)	1	
CP801	K1KA02A00008	CONNECTOR(2P)	1	
CP802,03	RJT100W11	CONNECTOR(11P)	2	K1KA11A00093
D101-06	B0ADBH000001	DIODE	6	
D301-06	B0ADBH000001	DIODE	6	
D501-04	B0ADBH000001	DIODE	4	
D602-08	B0ADBH000001	DIODE	7	
D611,12	B0ADBH000001	DIODE	2	
D620	MAZ80510LL	DIODE	1	(E,EB,EG)
D701	B0FFAR000001	DIODE	1	
D702	MTZJ30D	DIODE	1	B0BA03000015
D703	MA165	DIODE	1	MA2C165
D704	AK03WK	DIODE	1	B0JAMD000005
D705	B0ZAZ0000052	DIODE	1	
D706,07	B0HAJM000005	DIODE	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D708	MTZJ10B	DIODE	1	B0BA9R600002
D709	B0BA01800019	DIODE	1	
D710	B0HAJM000005	DIODE	1	
D711	B0HFRJ000012	DIODE	1	
D712	B0HANM000012	DIODE	1	
D713	B0HAMM000074	DIODE	1	
D714	B0HFRJ000012	DIODE	1	
D715	B0HANM000012	DIODE	1	
D716	B0HAMM000074	DIODE	1	
D717	B0JBSG000022	DIODE	1	
D721,22	RL1N4003N02	DIODE	2	B0AAMM000009
D724,25	MA165	DIODE	2	MA2C165
D726	MA8150LTX	DIODE	1	MAZ81500LL
D727,28	RL1N4003N02	DIODE	2	B0AAMM000009
D729	MA8120M	DIODE	1	MAZ81200M
D751	MA165	DIODE	1	MA2C165
D801	RL1N4003N02	DIODE	1	B0AAMM000009
D802,03	SFPB-72V	DIODE	2	B0JCPC000004
D804	B0ADCC000002	DIODE	1	
D806	B0ADCJ000020	DIODE	1	
D807	MA8082M	DIODE	1	MAZ80820M
D808,09	MAZ80560ML	DIODE	2	
D810,11	MA2J11100L	DIODE	2	
D812	B0ADCJ000020	DIODE	1	
D901	MA723TA	DIODE	1	MA2C72300F
D902,03	MA165	DIODE	2	MA2C165
D904,05	1SS291TA	DIODE	2	
D906	MTZJ5R1B	DIODE	1	B0BA5R000004
D941-46	MA165	DIODE	6	MA2C165
D951,52	LNH0A8CYB0A2	LED	2	
D953	LNJ201LPQJA	LED	1	
D955-58	LNJ301MPUJAD	LED	4	
D959	SELS5923C	LED	1	B3ADA0000083
D960,61	LNJ301MPUJAD	LED	2	
D1002-04	B0ACCK000005	DIODE	3	
F1	XBA2C40TB0	FUSE,T4A	1	K5D402BA0001 ⚠
IC101	C0ZBZ0000654	IC	1	
IC102,03	C0JBAA000149	IC	2	
IC104	C0JBAC000262	IC	1	
IC105	C0BBCA000040	IC	1	
IC106-09	C1ZBZ0002016	IC	4	
IC110,11	C0JBAZ001127	IC	2	
IC301	C0ZBZ0000654	IC	1	
IC302,03	C0JBAA000149	IC	2	
IC304	C0JBAC000262	IC	1	
IC305	C0BBCA000040	IC	1	
IC306-09	C1ZBZ0002016	IC	4	
IC501	C0ZBZ0000654	IC	1	
IC502,03	C0JBAA000149	IC	2	
IC504	C0JBAC000262	IC	1	
IC505	C0BBCA000040	IC	1	
IC506,07	C1ZBZ0002016	IC	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC601	C0BBCA000040	IC	1	
IC602	C1ZBZ0002016	IC	1	
IC603	NJU7082BVAE1	IC	1	
IC605	C0JBAC000262	IC	1	
IC606	C0DBZZD00007	IC	1	
IC607	C0JBAC000262	IC	1	
IC608	C0CBAYD00002	IC	1	
IC609	C0EBE0000200	IC	1	
IC610	C0BBCA000040	IC	1	
IC611	C0AABB000077	IC	1	
IC701	C1DA00000248	IC	1	
IC702	C0EAS0000013	IC	1	
IC721	C0CBADC00041	IC	1	
IC731	C0DBZZF00001	IC	1	
IC801	NJU7313AMT2	IC	1	C0JZAS000002
IC802	NJM4580EDTE1	IC	1	C0ABBB000125
IC803,04	NJM2115MTE1	IC	2	C0ABBB000102
IC805	NJM2279MT2	IC	1	C1AB00000417
IC807	C0CBADC00042	IC	1	
IC808,09	PQ1CZ21H2ZP	IC	2	C0DBCMG00001
IC901	C2BBGE000607	IC	1	
IC981	C1BB00000527	IC	1	(E,EB,EG)
IC1001	C3DBNC000075	IC	1	
IC1002	C2HBZJ000001	IC	1	
IC1003	C0JBAZ001539	IC	1	
IC1004,05	C0JBAF000464	IC	2	
IC1007	C0JBAB000371	IC	1	
IC1008	C0JBAR000191	IC	1	
IC1009	C0JBAF000162	IC	1	
IC1010	C0JBAZ001003	IC	1	
IC1011	C0JBAZ001437	IC	1	
IC1012	C1BB00000692	IC	1	
IC1013	C1BB00000672	IC	1	
IC1014	C2BBFE000123	IC	1	
IC1016	C0JBAR000191	IC	1	
IC1017	C0JBAB000423	IC	1	
JA801-08	ERJ6GEY0R00V	CHIP JUMPER	8	
JA809	ERJ3GEY0R00Z	CHIP JUMPER	1	
JK700	K2AA2B000004	JACK,AC IN	1	⚠
JK701	K4BC04B00045	JACK,SURROUND	1	
JK702	K4BC06B00025	JACK,FRONT/CENTER	1	
JK801	K2YZ02000026	JACK,DIGITAL IN	1	
JK802	K7ABBC000002	JACK,DIGITAL IN	1	
JK803,04	K4BK06B00010	TRMINAL BOARD	2	
JK805	K4BK06B00011	TRMINAL BOARD	1	
JK901	K2HB106B0001	JACK,HEADPHONE	1	
L101	G0C45NZ00001	COIL	1	
L102	G0C7R0K00001	COIL	1	
L103	G0C45NZ00001	COIL	1	
L104	G0C7R0K00001	COIL	1	
L105	G0C45NZ00001	COIL	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L106	G0C7R0K00001	COIL	1	
L107	G0C45NZ00001	COIL	1	
L108	G0C7R0K00001	COIL	1	
L301	G0C45NZ00001	COIL	1	
L302	G0C7R0K00001	COIL	1	
L303	G0C45NZ00001	COIL	1	
L304	G0C7R0K00001	COIL	1	
L305	G0C45NZ00001	COIL	1	
L306	G0C7R0K00001	COIL	1	
L307	G0C45NZ00001	COIL	1	
L308	G0C7R0K00001	COIL	1	
L501	G0C45NZ00001	COIL	1	
L502	G0C7R0K00001	COIL	1	
L503	G0C45NZ00001	COIL	1	
L504	G0C7R0K00001	COIL	1	
L601,02	G0AR68N00001	COIL	2	
L604	G0A580M00001	COIL	1	
L701,02	ELF21N015A	COIL	2	⚠
L703	BL02RN2R62T4	COIL	1	J0JKB0000020
L704,05	G0A200D00002	COIL	2	
L706	BL02RN2R62T4	COIL	1	J0JKB0000020
L708	RLQYR73MW1-0	COIL	1	G0ZZ00001606
L801	G0A200D00002	COIL	1	
L802	G0C101M00001	COIL	1	
L803	G0C221M00001	COIL	1	
L804,05	G0A200D00002	COIL	2	
L806	G0B150A00003	COIL	1	
L807	G0A200D00002	COIL	1	
L811-15	RLBV102V-Y	COIL	5	J0JBC0000014
L817	RLBV102V-Y	COIL	1	J0JBC0000014
L901	RLQA3R3JT1-Y	COIL	1	G0C3R3JA0019
L906-08	G0C101JA0019	COIL	3	
L910	G0C101JA0019	COIL	1	
L983,84	J0JBC0000041	COIL	2	(E,EB,EG)
L1001-07	RLQM2R2KT2-W	COIL	7	G1C2R2K00008
L1008	RLQM5R6KT2-W	COIL	1	G1C5R6K00006
L1009,10	RLQM2R2KT2-W	COIL	2	G1C2R2K00008
P1	RPG6058	PACKING CASE	1	(E)
P1	RPG6059	PACKING CASE	1	(EB,EG)
P1	RPG6061	PACKING CASE	1	(GCS,GD,GN)
P2	RPN1492-1	CUSHION	1	
P3	SPP756-1	PROTECTION BAG(UNIT)	1	
P4	RPQ0164	ACCESSORY PAD	1	
P5	RPF0139-1	PROTECT. BAG(ACCESSORIES)	1	
P6	XZB10X30C03Z	PROTECTION BAG(AC CORD)	1	(EB,GN)
PC701	B3PAA0000175	TRANSISTOR-PHOTO COUPLER	1	⚠
PCB1	REP3307B-M	DIGITAL P.C.B.ASS'Y	1	[RTL]
PCB2	REP3308B-P	POWER P.C.B.ASS'Y	1	[RTL](E,EB,EG)
PCB2	REP3308D-P	POWER P.C.B.ASS'Y	1	[RTL](GCS,GD,GN)
PCB3	REP3310B-T	DSP P.C.B.ASS'Y	1	[RTL]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
PCB4	REP3309B-S	PANEL P.C.B.ASS'Y	1	[RTL]
PL701	RSC0616	EARTH TERMINAL	1	
Q101,02	B1ABDB000029	TRANSISTOR	2	
Q103,04	B1DEGF000001	TRANSISTOR	2	
Q105,06	B1ABDB000029	TRANSISTOR	2	
Q107,08	B1DEGF000001	TRANSISTOR	2	
Q109,10	B1ABDB000029	TRANSISTOR	2	
Q111,12	B1DEGF000001	TRANSISTOR	2	
Q113,14	B1ABDB000029	TRANSISTOR	2	
Q115,16	B1DEGF000001	TRANSISTOR	2	
Q301,02	B1ABDB000029	TRANSISTOR	2	
Q303,04	B1DEGF000001	TRANSISTOR	2	
Q305,06	B1ABDB000029	TRANSISTOR	2	
Q307,08	B1DEGF000001	TRANSISTOR	2	
Q309,10	B1ABDB000029	TRANSISTOR	2	
Q311,12	B1DEGF000001	TRANSISTOR	2	
Q313,14	B1ABDB000029	TRANSISTOR	2	
Q315,16	B1DEGF000001	TRANSISTOR	2	
Q501,02	B1ABDB000029	TRANSISTOR	2	
Q503,04	B1DEGF000001	TRANSISTOR	2	
Q505,06	B1ABDB000029	TRANSISTOR	2	
Q507,08	B1DEGF000001	TRANSISTOR	2	
Q510	B1ABDB000029	TRANSISTOR	1	
Q514	B1ABDB000029	TRANSISTOR	1	
Q603-05	B1ABDB000029	TRANSISTOR	3	
Q606,07	B1DEGL000004	TRANSISTOR	2	
Q608,09	B1GFGCAA0001	TRANSISTOR	2	
Q610,11	B1ABDB000029	TRANSISTOR	2	
Q612	B1GFGCAA0001	TRANSISTOR	1	
Q613	B1ABDB000029	TRANSISTOR	1	
Q615	UNR511400L	TRANSISTOR	1	
Q616	B1ABDB000029	TRANSISTOR	1	
Q617	UN5111TX	TRANSISTOR	1	UNR511100L
Q701	B1BACJ000005	TRANSISTOR	1	
Q721,22	UN4211	TRANSISTOR	2	UNR4211
Q723,24	2SD2144S	TRANSISTOR	2	B1AAGC000006
Q801,02	2SB0621AHA	TRANSISTOR	2	
Q803	2SD0592AWA	TRANSISTOR	1	
Q804	2SB0621AHA	TRANSISTOR	1	
Q805	2SD0592AWA	TRANSISTOR	1	
Q811	2SC2412KT96R	TRANSISTOR	1	
Q812	UNR221100L	TRANSISTOR	1	
Q813	2SC2412KT96R	TRANSISTOR	1	
Q815	2SA1037AKSTX	TRANSISTOR	1	
Q816	UN2215TX	TRANSISTOR	1	UNR22150RL
Q817	UN2115TW	TRANSISTOR	1	UNR211500L
Q818	B1GFGCAA0001	TRANSISTOR	1	
Q901	UN4211	TRANSISTOR	1	UNR4211
Q902	UN4212TA	TRANSISTOR	1	UNR421200A
Q951	UN4111	TRANSISTOR	1	UNR4111
Q952,53	UN4211	TRANSISTOR	2	UNR4211
Q1001	DTA114YETL	TRANSISTOR	1	B1GDCFJN0001

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R101	ERJ3GEYJ220V	1/16W 22	1	
R102	ERJ3GEYJ3R3V	1/16W 3.3	1	
R103	ERJ3GEYJ220V	1/16W 22	1	
R104	ERJ3GEYJ221V	1/16W 220	1	
R108	ERJ3GEY0R00Z	1/16W 0	1	
R111,12	ERJ3GEY0R00Z	1/16W 0	2	
R117-19	ERJ3GEYJ100V	1/16W 10	3	
R120	ERJ3GEYJ3R3V	1/16W 3.3	1	
R121	ERJ3GEY0R00Z	1/16W 0	1	
R123	ERJ3GEY0R00Z	1/16W 0	1	
R125	ERJ3GEYJ103Z	1/16W 10K	1	
R126	ERJ3GEYJ104Z	1/16W 100K	1	
R127	ERJ3GEYJ102V	1/16W 1K	1	
R128	ERJ3GEYJ103Z	1/16W 10K	1	
R129	ERJ3GEYJ392V	1/16W 3.9K	1	
R130-37	ERJ3GEYJ104Z	1/16W 100K	8	
R138	ERJ3GEYJ472V	1/16W 4.7K	1	
R141	ERJ3GEYJ3R3V	1/16W 3.3	1	
R142	ERJ3GEYJ101V	1/16W 100	1	
R143	ERJ3GEYJ102V	1/16W 1K	1	
R144	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R145	ERJ3EKF2001V	1/16W 2K	1	
R146	ERJ3GEYJ470V	1/16W 47	1	
R147	ERJ3GEYJ102V	1/16W 1K	1	
R148	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R149	ERJ3EKF2001V	1/16W 2K	1	
R150	ERJ3GEYJ470V	1/16W 47	1	
R151	ERJ3GEYJ3R3V	1/16W 3.3	1	
R152	ERJ3GEYJ101V	1/16W 100	1	
R153	ERJ3GEYJ102V	1/16W 1K	1	
R154	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R155	ERJ3EKF2001V	1/16W 2K	1	
R156	ERJ3GEYJ470V	1/16W 47	1	
R157	ERJ3GEYJ102V	1/16W 1K	1	
R158	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R159	ERJ3EKF2001V	1/16W 2K	1	
R160	ERJ3GEYJ470V	1/16W 47	1	
R161,62	ERJ14YJ1R5U	1/4W 1.5	2	
R163	ERJ3GEYJ100V	1/16W 10	1	
R164	ERJ3GEYJ470V	1/16W 47	1	
R165,66	ERJ3GEYJ100V	1/16W 10	2	
R167	ERJ14YJ472U	1/4W 4.7K	1	
R170	ERJ14YJ472U	1/4W 4.7K	1	
R171,72	ERJ14YJ1R5U	1/4W 1.5	2	
R173	ERJ3GEYJ100V	1/16W 10	1	
R174	ERJ3GEYJ470V	1/16W 47	1	
R175	ERJ3GEYJ100V	1/16W 10	1	
R176	ERJ3GEYJ3R3V	1/16W 3.3	1	
R177	ERJ3GEYJ101V	1/16W 100	1	
R178	ERJ3GEYJ102V	1/16W 1K	1	
R179	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R180	ERJ3EKF2001V	1/16W 2K	1	
R181	ERJ3GEYJ470V	1/16W 47	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R182	ERJ3GEYJ102V	1/16W 1K	1	
R183	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R184	ERJ3EKF2001V	1/16W 2K	1	
R185	ERJ3GEYJ470V	1/16W 47	1	
R186	ERJ3GEYJ3R3V	1/16W 3.3	1	
R187	ERJ3GEYJ101V	1/16W 100	1	
R188	ERJ3GEYJ102V	1/16W 1K	1	
R189	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R190	ERJ3EKF2001V	1/16W 2K	1	
R191	ERJ3GEYJ470V	1/16W 47	1	
R192	ERJ3GEYJ102V	1/16W 1K	1	
R193	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R194	ERJ3EKF2001V	1/16W 2K	1	
R195	ERJ3GEYJ470V	1/16W 47	1	
R196,97	ERJ14YJ1R5U	1/4W 1.5	2	
R198	ERJ3GEYJ100V	1/16W 10	1	
R199	ERJ3GEYJ470V	1/16W 47	1	
R200,01	ERJ3GEYJ100V	1/16W 10	2	
R202	ERJ14YJ472U	1/4W 4.7K	1	
R205	ERJ14YJ472U	1/4W 4.7K	1	
R206,07	ERJ14YJ1R5U	1/4W 1.5	2	
R208	ERJ3GEYJ100V	1/16W 10	1	
R209	ERJ3GEYJ470V	1/16W 47	1	
R210	ERJ3GEYJ100V	1/16W 10	1	
R301	ERJ3GEYJ220V	1/16W 22	1	
R302	ERJ3GEYJ3R3V	1/16W 3.3	1	
R303	ERJ3GEYJ220V	1/16W 22	1	
R304	ERJ3GEYJ221V	1/16W 220	1	
R308	ERJ3GEY0R00Z	1/16W 0	1	
R311,12	ERJ3GEY0R00Z	1/16W 0	2	
R317-19	ERJ3GEYJ100V	1/16W 10	3	
R320	ERJ3GEYJ3R3V	1/16W 3.3	1	
R321	ERJ3GEY0R00Z	1/16W 0	1	
R323	ERJ3GEY0R00Z	1/16W 0	1	
R325	ERJ3GEYJ103Z	1/16W 10K	1	
R326	ERJ3GEYJ104Z	1/16W 100K	1	
R327	ERJ3GEYJ102V	1/16W 1K	1	
R328	ERJ3GEYJ103Z	1/16W 10K	1	
R329	ERJ3GEYJ392V	1/16W 3.9K	1	
R330-37	ERJ3GEYJ104Z	1/16W 100K	8	
R338	ERJ3GEYJ472V	1/16W 4.7K	1	
R341	ERJ3GEYJ3R3V	1/16W 3.3	1	
R342	ERJ3GEYJ101V	1/16W 100	1	
R343	ERJ3GEYJ102V	1/16W 1K	1	
R344	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R345	ERJ3EKF2001V	1/16W 2K	1	
R346	ERJ3GEYJ470V	1/16W 47	1	
R347	ERJ3GEYJ102V	1/16W 1K	1	
R348	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R349	ERJ3EKF2001V	1/16W 2K	1	
R350	ERJ3GEYJ470V	1/16W 47	1	
R351	ERJ3GEYJ3R3V	1/16W 3.3	1	
R352	ERJ3GEYJ101V	1/16W 100	1	
R353	ERJ3GEYJ102V	1/16W 1K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R354	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R355	ERJ3EKF2001V	1/16W 2K	1	
R356	ERJ3GEYJ470V	1/16W 47	1	
R357	ERJ3GEYJ102V	1/16W 1K	1	
R358	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R359	ERJ3EKF2001V	1/16W 2K	1	
R360	ERJ3GEYJ470V	1/16W 47	1	
R361,62	ERJ14YJ1R5U	1/4W 1.5	2	
R363	ERJ3GEYJ100V	1/16W 10	1	
R364	ERJ3GEYJ470V	1/16W 47	1	
R365,66	ERJ3GEYJ100V	1/16W 10	2	
R367	ERJ14YJ472U	1/4W 4.7K	1	
R370	ERJ14YJ472U	1/4W 4.7K	1	
R371,72	ERJ14YJ1R5U	1/4W 1.5	2	
R373	ERJ3GEYJ100V	1/16W 10	1	
R374	ERJ3GEYJ470V	1/16W 47	1	
R375	ERJ3GEYJ100V	1/16W 10	1	
R376	ERJ3GEYJ3R3V	1/16W 3.3	1	
R377	ERJ3GEYJ101V	1/16W 100	1	
R378	ERJ3GEYJ102V	1/16W 1K	1	
R379	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R380	ERJ3EKF2001V	1/16W 2K	1	
R381	ERJ3GEYJ470V	1/16W 47	1	
R382	ERJ3GEYJ102V	1/16W 1K	1	
R383	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R384	ERJ3EKF2001V	1/16W 2K	1	
R385	ERJ3GEYJ470V	1/16W 47	1	
R386	ERJ3GEYJ3R3V	1/16W 3.3	1	
R387	ERJ3GEYJ101V	1/16W 100	1	
R388	ERJ3GEYJ102V	1/16W 1K	1	
R389	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R390	ERJ3EKF2001V	1/16W 2K	1	
R391	ERJ3GEYJ470V	1/16W 47	1	
R392	ERJ3GEYJ102V	1/16W 1K	1	
R393	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R394	ERJ3EKF2001V	1/16W 2K	1	
R395	ERJ3GEYJ470V	1/16W 47	1	
R396,97	ERJ14YJ1R5U	1/4W 1.5	2	
R398	ERJ3GEYJ100V	1/16W 10	1	
R399	ERJ3GEYJ470V	1/16W 47	1	
R400,01	ERJ3GEYJ100V	1/16W 10	2	
R402	ERJ14YJ472U	1/4W 4.7K	1	
R405	ERJ14YJ472U	1/4W 4.7K	1	
R406,07	ERJ14YJ1R5U	1/4W 1.5	2	
R408	ERJ3GEYJ100V	1/16W 10	1	
R409	ERJ3GEYJ470V	1/16W 47	1	
R410	ERJ3GEYJ100V	1/16W 10	1	
R421	ERJ3GEYJ150V	1/16W 15	1	
R422	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R423	ERJ3GEYJ150V	1/16W 15	1	
R424	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R425	ERJ3GEYJ472V	1/16W 4.7K	1	
R426	ERJ3GEYJ103Z	1/16W 10K	1	
R427	ERJ3GEYJ472V	1/16W 4.7K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R428	ERJ3GEYJ103Z	1/16W 10K	1	
R431,32	ERJ3GEYJ472V	1/16W 4.7K	2	
R433	ERJ3GEYJ683V	1/16W 68K	1	D0GB683JA002
R435	ERJ3GEYJ272V	1/16W 2.7K	1	
R436	ERJ3GEYJ821V	1/16W 820	1	
R437,38	ERJ3GEYJ102V	1/16W 1K	2	
R441	ERJ3GEYJ100V	1/16W 10	1	
R442	ERJ3GEYJ103Z	1/16W 10K	1	
R451	ERJ3GEYJ220V	1/16W 22	1	
R452	ERJ3GEYJ3R3V	1/16W 3.3	1	
R453	ERJ3GEYJ220V	1/16W 22	1	
R454	ERJ3GEYJ221V	1/16W 220	1	
R458	ERJ3GEY0R00Z	1/16W 0	1	
R461,62	ERJ3GEY0R00Z	1/16W 0	2	
R467-69	ERJ3GEYJ100V	1/16W 10	3	
R470	ERJ3GEYJ3R3V	1/16W 3.3	1	
R471	ERJ3GEY0R00Z	1/16W 0	1	
R473	ERJ3GEY0R00Z	1/16W 0	1	
R475	ERJ3GEYJ103Z	1/16W 10K	1	
R476	ERJ3GEYJ104Z	1/16W 100K	1	
R477	ERJ3GEYJ102V	1/16W 1K	1	
R478	ERJ3GEYJ103Z	1/16W 10K	1	
R479	ERJ3GEYJ392V	1/16W 3.9K	1	
R480-83	ERJ3GEYJ104Z	1/16W 100K	4	
R488	ERJ3GEYJ472V	1/16W 4.7K	1	
R491	ERJ3GEYJ3R3V	1/16W 3.3	1	
R492	ERJ3GEYJ101V	1/16W 100	1	
R493	ERJ3GEYJ102V	1/16W 1K	1	
R494	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R495	ERJ3EKF2001V	1/16W 2K	1	
R496	ERJ3GEYJ470V	1/16W 47	1	
R497	ERJ3GEYJ102V	1/16W 1K	1	
R498	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R499	ERJ3EKF2001V	1/16W 2K	1	
R500	ERJ3GEYJ470V	1/16W 47	1	
R501	ERJ3GEYJ3R3V	1/16W 3.3	1	
R502	ERJ3GEYJ101V	1/16W 100	1	
R503	ERJ3GEYJ102V	1/16W 1K	1	
R504	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R505	ERJ3EKF2001V	1/16W 2K	1	
R506	ERJ3GEYJ470V	1/16W 47	1	
R507	ERJ3GEYJ102V	1/16W 1K	1	
R508	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R509	ERJ3EKF2001V	1/16W 2K	1	
R510	ERJ3GEYJ470V	1/16W 47	1	
R511,12	ERJ14YJ1R5U	1/4W 1.5	2	
R513	ERJ3GEYJ100V	1/16W 10	1	
R514	ERJ3GEYJ470V	1/16W 47	1	
R515,16	ERJ3GEYJ100V	1/16W 10	2	
R517	ERJ14YJ472U	1/4W 4.7K	1	
R520	ERJ14YJ472U	1/4W 4.7K	1	
R521,22	ERJ14YJ1R5U	1/4W 1.5	2	
R523	ERJ3GEYJ100V	1/16W 10	1	
R524	ERJ3GEYJ470V	1/16W 47	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R525	ERJ3GEYJ100V	1/16W 10	1	
R526	ERJ3GEYJ3R3V	1/16W 3.3	1	
R527	ERJ3GEYJ101V	1/16W 100	1	
R530	ERJ8GEYJ392V	1/4W 3.9K	1	
R532	ERJ3GEYJ102V	1/16W 1K	1	
R533	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R534	ERJ8GEYJ392V	1/4W 3.9K	1	
R535	ERJ3GEYJ470V	1/16W 47	1	
R536	ERJ3GEYJ3R3V	1/16W 3.3	1	
R537	ERJ3GEYJ101V	1/16W 100	1	
R540	ERJ8GEYJ392V	1/4W 3.9K	1	
R542	ERJ3GEYJ102V	1/16W 1K	1	
R543	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R544	ERJ8GEYJ392V	1/4W 3.9K	1	
R545	ERJ3GEYJ470V	1/16W 47	1	
R561,62	ERJ3GEYJ103Z	1/16W 10K	2	
R565-67	ERJ3GEYJ103Z	1/16W 10K	3	
R568,69	ERJ3GEYJ182V	1/16W 1.8K	2	
R570	ERJ3GEYJ100V	1/16W 10	1	
R571,72	ERJ6ENF10R0	1/10W 10	2	
R573	ERJ3EKF1103V	1/16W 110K	1	
R574	ERJ3EKF1002V	1/16W 10K	1	
R575	ERJ3EKF2203V	1/16W 220K	1	
R576	ERJ3GEYJ103Z	1/16W 10K	1	
R578	ERJ3GEYJ124V	1/16W 120K	1	D0GB124JA002
R579	ERJ3GEYJ222V	1/16W 2.2K	1	
R580	ERJ3GEYJ472V	1/16W 4.7K	1	
R581	ERJ3GEYJ823V	1/16W 82K	1	D0GB823JA002
R582	ERJ3GEYJ472V	1/16W 4.7K	1	
R583	ERJ3GEYJ203	1/16W 20K	1	
R584	ERJ3GEYJ103Z	1/16W 10K	1	
R585	ERJ3GEYJ101V	1/16W 100	1	
R586	ERJ3GEYJ203	1/16W 20K	1	
R587,88	ERJ3GEYJ472V	1/16W 4.7K	2	
R589	ERJ3GEYJ203	1/16W 20K	1	
R590,91	ERJ3GEYJ472V	1/16W 4.7K	2	
R592	ERJ3GEYJ103Z	1/16W 10K	1	
R593,94	ERJ3GEYJ3R3V	1/16W 3.3	2	
R595	ERJ3GEY0R00Z	1/16W 0	1	
R598	ERJ6GEY0R00V	1/10W 0	1	
R599,00	ERJM1WSF20MU	10W 0.02	2	
R601	ERJ3GEYJ100V	1/16W 10	1	
R602	ERJ3GEYJ150V	1/16W 15	1	
R603	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R604	ERJ3GEYJ150V	1/16W 15	1	
R605	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R606,07	ERJ3GEYJ472V	1/16W 4.7K	2	
R608	ERJ3GEYJ103Z	1/16W 10K	1	
R609	ERJ3GEYJ472V	1/16W 4.7K	1	
R610	ERJ3GEYJ103Z	1/16W 10K	1	
R611	ERJ3GEYJ472V	1/16W 4.7K	1	
R612	ERJ3GEYJ102V	1/16W 1K	1	
R613	ERJ3GEYJ333Z	1/16W 33K	1	
R614	ERJ3GEYJ511	1/16W 510	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R615	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R616	ERJ3GEYJ274V	1/16W 270K	1	
R617	ERJ3GEYJ273V	1/16W 27K	1	D0GB273JA002
R618	ERJ3GEYJ822V	1/16W 8.2K	1	D0GB822JA002
R619	ERJ3GEYJ332V	1/16W 3.3K	1	D0GB332JA002
R620	ERJ3GEYJ820V	1/16W 82	1	
R621	ERA3YED183V	1/16W 18K	1	
R622	ERA3YED822V	1/16W 8.2K	1	
R623	ERA3YED222V	1/16W 2.2K	1	
R624	ERJ3GEYJ182V	1/16W 1.8K	1	
R625	ERJ3GEYJ102V	1/16W 1K	1	
R626	ERJ3GEYJ103Z	1/16W 10K	1	
R627	ERJ3GEYJ152V	1/16W 1.5K	1	
R628,29	ERJ3GEYJ471V	1/16W 470	2	
R630	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R631	ERJ3GEYJ822V	1/16W 8.2K	1	D0GB822JA002
R632	ERJ3GEYJ152V	1/16W 1.5K	1	
R633	ERJ3GEYJ273V	1/16W 27K	1	D0GB273JA002
R634,35	ERJ3GEYJ272V	1/16W 2.7K	2	
R636	ERJ3GEYJ821V	1/16W 820	1	
R638-43	ERJ3GEYJ470V	1/16W 47	6	
R644	ERJ3GEYJ100V	1/16W 10	1	
R646	ERJ3GEYJ101V	1/16W 100	1	
R647-49	ERJ3GEYJ100V	1/16W 10	3	
R650-54	ERJ3GEYJ101V	1/16W 100	5	
R655	ERJ3GEYJ100V	1/16W 10	1	
R656	ERJ3GEYJ103Z	1/16W 10K	1	
R657,58	ERJ3GEYJ472V	1/16W 4.7K	2	
R659	ERJ3GEYJ103Z	1/16W 10K	1	
R660-62	ERJ3GEYJ472V	1/16W 4.7K	3	
R664	ERJ3GEYJ823V	1/16W 82K	1	D0GB823JA002
R665	ERJ3GEYJ102V	1/16W 1K	1	
R666	ERJ3GEYJ823V	1/16W 82K	1	D0GB823JA002
R667	ERJ3GEYJ102V	1/16W 1K	1	
R668	ERJ3GEYJ333Z	1/16W 33K	1	
R669	ERJ3GEYJ153V	1/16W 15K	1	
R670	ERJ3GEYJ303V	1/16W 30K	1	
R671	ERJ3GEYJ272V	1/16W 2.7K	1	
R672	D4CA33030001	THERMISTOR	1	
R673	ERJ3GEYJ181V	1/16W 180	1	
R675	ERJ3GEYJ301	1/16W 300	1	
R676	ERJ3GEYJ103Z	1/16W 10K	1	
R677,78	ERJ3GEYJ472V	1/16W 4.7K	2	
R679	ERJ3GEYJ823V	1/16W 82K	1	D0GB823JA002
R680	ERJ3GEYJ102V	1/16W 1K	1	
R681	ERJ3GEYJ823V	1/16W 82K	1	D0GB823JA002
R682	ERJ3GEYJ102V	1/16W 1K	1	
R683	ERJ3GEYJ333Z	1/16W 33K	1	
R684	ERJ3GEYJ153V	1/16W 15K	1	
R685	ERJ3GEYJ303V	1/16W 30K	1	
R686	ERJ3GEYJ272V	1/16W 2.7K	1	
R687	ERJ3GEYJ103Z	1/16W 10K	1	
R689	D4CA33030001	THERMISTOR	1	
R690-92	ERJ3GEYJ472V	1/16W 4.7K	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R693,94	ERJ3GEYJ102V	1/16W 1K	2	
R695	ERJ3GEYJ101V	1/16W 100	1	
R696	ERJ3GEYJ104Z	1/16W 100K	1	
R697,98	ERJ3GEYJ473V	1/16W 47K	2	D0GB473JA002
R702	ERG2SJ683	2W 68K	1	
R703	ERDS2FJ681	1/4W 680	1	
R704	ERX2LJ82MP	2W 0.082	1	
R706	ERDS2FJ104	1/4W 100K	1	
R707	ERDS2FJ332	1/4W 3.3K	1	
R708	ERDS2FJ222	1/4W 2.2K	1	
R709	ERDS2FJ103	1/4W 10K	1	
R710	ERDS2FJ220	1/4W 22	1	
R711	ERDS2FJ222	1/4W 2.2K	1	
R712	ERDS2FJ182	1/4W 1.8K	1	
R713	ERDS2FJ102	1/4W 1K	1	
R714	ERDS1FJ682	1/2W 6.8K	1	
R715	ERDS2FJ104	1/4W 100K	1	
R721,22	ERDS2FJ103	1/4W 10K	2	
R723	ERDS2FJ561	1/4W 560	1	
R724	ERDS2FJ102	1/4W 1K	1	
R725	ERDS2FJ332	1/4W 3.3K	1	
R726	ERDS2FJ220	1/4W 22	1	
R751	ERDS2TJ183	1/4W 18K	1	
R752	ERDS2FJ473	1/4W 47K	1	
R753	ERDS2FJ103	1/4W 10K	1	
R754	ERDS2FJ224	1/4W 220K	1	
R801	ERDS1FVJ220T	1/2W 22	1	
R802,03	ERJ3GEYJ750	1/16W 75	2	
R804	ERJ3GEYJ103Z	1/16W 10K	1	
R805	ERJ3GEYJ102V	1/16W 1K	1	
R806,07	ERJ3GEYJ750	1/16W 75	2	
R808,09	ERJ3GEYJ103Z	1/16W 10K	2	
R810	ERJ3GEYJ750	1/16W 75	1	
R811-24	ERJ3GEYJ102V	1/16W 1K	14	
R827	ERJ3GEYJ470V	1/16W 47	1	
R830	ERJ3GEYJ470V	1/16W 47	1	
R831	ERJ3GEYJ750	1/16W 75	1	
R832	ERJ3GEYJ470V	1/16W 47	1	
R833-35	ERJ3GEYJ103Z	1/16W 10K	3	
R836,37	ERJ3GEYJ473V	1/16W 47K	2	D0GB473JA002
R838,39	ERJ3GEYJ102V	1/16W 1K	2	
R840,41	ERJ3GEYJ104Z	1/16W 100K	2	
R842,43	ERJ3GEYJ473V	1/16W 47K	2	D0GB473JA002
R844,45	ERJ3GEYJ332V	1/16W 3.3K	2	D0GB332JA002
R846,47	ERJ3GEYJ182V	1/16W 1.8K	2	
R848	ERJ3GEYJ564V	1/16W 560K	1	D0GB564JA002
R849	ERJ3GEYJ824V	1/16W 820K	1	D0GB824JA002
R850,51	ERJ3GEYJ822V	1/16W 8.2K	2	D0GB822JA002
R852,53	ERJ3GEYJ472V	1/16W 4.7K	2	
R854-59	ERJ3GEYJ103Z	1/16W 10K	6	
R860	ERJ3GEYJ102V	1/16W 1K	1	
R861	ERJ3GEYJ222V	1/16W 2.2K	1	
R862	ERJ6GEYJ100V	1/10W 10	1	
R863	ERJ3GEYJ563V	1/16W 56K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R864	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R865	ERJ3GEYJ563V	1/16W 56K	1	
R866,67	ERJ3GEYJ103Z	1/16W 10K	2	
R868	ERJ3GEYJ101V	1/16W 100	1	
R869	ERJ3GEYJ563V	1/16W 56K	1	
R872	ERJ3GEYJ223V	1/16W 22K	1	D0GB223JA002
R873	ERJ3GEYJ152V	1/16W 1.5K	1	
R874	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R875	ERJ3GEYJ182V	1/16W 1.8K	1	
R876	ERJ3GEYJ153V	1/16W 15K	1	
R877	ERJ3GEYJ223V	1/16W 22K	1	D0GB223JA002
R878	ERJ3GEYJ473V	1/16W 47K	1	D0GB473JA002
R880	ERJ3GEYJ103Z	1/16W 10K	1	
R881	ERJ3GEYJ822V	1/16W 8.2K	1	D0GB822JA002
R882	ERJ3GEYJ562V	1/16W 5.6K	1	D0GB562JA002
R889	ERJ3GEYJ222V	1/16W 2.2K	1	
R890-92	ERJ3GEYJ182V	1/16W 1.8K	3	
R893	ERJ3GEYJ101V	1/16W 100	1	
R894	ERJ3GEYJ681V	1/16W 680	1	D0GB681JA002
R895	ERJ3GEYJ122V	1/16W 1.2K	1	
R896,97	ERDS2FJ2R2	1/4W 2.2	2	
R898,99	ERDS2TJ4R7T	1/4W 4.7	2	
R901	ERDS2FJ393	1/4W 39K	1	
R902-04	ERDS2FJ104	1/4W 100K	3	
R905	ERDS2FJ681	1/4W 680	1	
R906-08	ERDS2FJ103	1/4W 10K	3	
R909	ERDS2FJ224	1/4W 220K	1	
R910,11	ERDS2FJ101	1/4W 100	2	
R912,13	ERDS2FJ103	1/4W 10K	2	
R914	ERDS2FJ182	1/4W 1.8K	1	(E,EB,EG)
R914	ERDS2FJ472	1/4W 4.7K	1	(GCS,GD,GN)
R915-18	ERDS2FJ101	1/4W 100	4	
R919	ERDS2FJ223	1/4W 22K	1	
R920	ERDS2FJ472	1/4W 4.7K	1	
R921-26	ERDS2FJ101	1/4W 100	6	
R927	ERDS2FJ473	1/4W 47K	1	
R928	ERDS2FJ104	1/4W 100K	1	
R929	ERDS2FJ331	1/4W 330	1	
R930	ERDS2FJ223	1/4W 22K	1	
R931	ERDS2FJ473	1/4W 47K	1	
R932	ERDS2FJ472	1/4W 4.7K	1	
R933,34	ERDS2FJ101	1/4W 100	2	
R935,36	ERJ3GEYJ101V	1/16W 100	2	
R937	ERJ3GEYJ100V	1/16W 10	1	
R938	ERJ3GEYJ102V	1/16W 1K	1	
R941,42	ERDS2FJ473	1/4W 47K	2	
R943	ERDS2FJ103	1/4W 10K	1	
R951,52	ERDS2FJ121	1/4W 120	2	
R953	ERDS2FJ102	1/4W 1K	1	
R954-57	ERDS2FJ331	1/4W 330	4	
R958	ERDS2FJ561	1/4W 560	1	
R959,60	ERDS2FJ221	1/4W 220	2	
R961-64	ERDS2FJ102	1/4W 1K	4	
R965	ERDS2FJ122	1/4W 1.2K	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R981	ERJ3GEYJ102V	1/16W 1K	1	(E,EB,EG)
R982	ERJ3GEYJ470V	1/16W 47	1	(E,EB,EG)
R983	ERJ3GEYJ102V	1/16W 1K	1	(E,EB,EG)
R984	ERJ3GEYJ104Z	1/16W 100K	1	(E,EB,EG)
R985	ERJ3GEYJ102V	1/16W 1K	1	(E,EB,EG)
R986	ERJ3GEYJ104Z	1/16W 100K	1	(E,EB,EG)
R987	ERJ3GEYJ102V	1/16W 1K	1	(E,EB,EG)
R1001-09	ERJ3GEYJ103Z	1/16W 10K	9	
R1010-13	ERJ3GEYJ472V	1/16W 4.7K	4	
R1014-16	ERJ3GEYJ103Z	1/16W 10K	3	
R1017	ERJ3GEYJ472V	1/16W 4.7K	1	
R1018	ERJ3GEYJ330V	1/16W 33	1	D0GB330JA002
R1019	ERJ3GEYJ333V	1/16W 33K	1	D0GB333JA002
R1020	ERJ3GEYJ472V	1/16W 4.7K	1	
R1021	ERJ3GEYJ681V	1/16W 680	1	D0GB681JA002
R1022	ERJ3GEYJ105V	1/16W 1M	1	
R1023	ERJ3GEYJ330V	1/16W 33	1	D0GB330JA002
R1024	ERJ3GEYJ104Z	1/16W 100K	1	
R1025-28	ERJ3GEYJ102V	1/16W 1K	4	
R1029	ERJ3GEYJ103Z	1/16W 10K	1	
R1030	ERJ3GEYJ102V	1/16W 1K	1	
R1031,32	ERJ3GEYJ473V	1/16W 47K	2	D0GB473JA002
R1033,34	ERJ3GEYJ104Z	1/16W 100K	2	
R1035-39	ERJ3GEYJ101V	1/16W 100	5	
R1040	ERJ3GEYJ183V	1/16W 18K	1	D0GB183JA002
R1041	ERJ3GEYJ101V	1/16W 100	1	
R1042,43	ERJ3GEYJ471V	1/16W 470	2	
R1044	ERJ3GEYJ470V	1/16W 47	1	
R1045	ERJ3GEYJ102V	1/16W 1K	1	
R1048-50	ERJ3GEYJ104Z	1/16W 100K	3	
R1051	ERJ3GEYJ102V	1/16W 1K	1	
R1052	ERJ3GEYJ104Z	1/16W 100K	1	
R1053	ERJ3GEYJ102V	1/16W 1K	1	
R1054	ERJ3GEYJ104Z	1/16W 100K	1	
R1055	ERJ3GEYJ102V	1/16W 1K	1	
R1056	ERJ3GEYJ101V	1/16W 100	1	
R1057-59	ERJ3GEYJ102V	1/16W 1K	3	
R1060	ERJ3GEYJ101V	1/16W 100	1	
R1061-64	ERJ3GEYJ220V	1/16W 22	4	
R1065-67	ERJ3GEYJ102V	1/16W 1K	3	
R1068-71	ERJ3GEYJ101V	1/16W 100	4	
R1073,74	ERJ3GEYJ102V	1/16W 1K	2	
R1075-77	ERJ3GEYJ101V	1/16W 100	3	
R1078	ERJ3GEYJ104Z	1/16W 100K	1	
R1079-83	ERJ3GEYJ102V	1/16W 1K	5	
R1084,85	ERJ3GEY0R00Z	1/16W 0	2	
R1086	ERJ3GEYJ472V	1/16W 4.7K	1	
R1087	ERJ3GEYJ104Z	1/16W 100K	1	
R1088-91	ERJ3GEYJ103Z	1/16W 10K	4	
R1092-94	ERJ3GEYJ330V	1/16W 33	3	D0GB330JA002
R1095	ERJ3GEYJ105V	1/16W 1M	1	
R1096	ERJ3GEYJ471V	1/16W 470	1	
RLY721	RSY0040M-0	RELAY	1	⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
S951-57	EVQPC105K	SWITCH	7	
T701,02	G4D3A0000067	SWITCHING TRANSFORMER	2	⚠
T721	ETP28KBZ21JU	SUB POWER TRANSFORMER	1	⚠
TH701	D4CAC8R00002	THERMISTOR	1	
VR901	EVEKC2F3024B	VOLUME	1	
X901	RSXY8M00D01T	OSCILLATOR	1	H2B800400005
X981	RSXC4M33S02T	OSCILLATOR	1	H0H433400001 (E,EB,EG)
X1001	H0J245500035	OSCILLATOR	1	
X1002	H0J240500015	OSCILLATOR	1	
Z701	ERZV10V511CS	ZNR	1	⚠
Z901	RCDGP1U26XD	REMOTE SENSOR	1	B3RAD0000010
Z1001	RLBV102V-Y	COIL	1	J0JBC0000014
Z1002	RLBV102V-Y	COIL	1	J0JBC0000014
Z1003	RLBV102V-Y	COIL	1	J0JBC0000014
Z1004	RLBV102V-Y	COIL	1	J0JBC0000014
Z1005	RLBV102V-Y	COIL	1	J0JBC0000014

15. Cabinet Parts Location

16. Packaging

17. Schematic Diagram for printing with A4 size

H010400000TN/HH)

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(For United Kingdom)

("EB" area code model only)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark ◈ or the BSI mark ♡ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local dealer.

CAUTION!
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.
THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:
Blue: Neutral, Brown: Live.
As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.
The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL ⏚ OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF - KEEP DRY.

Before use

Remove the connector cover.

How to replace the fuse

The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.
Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

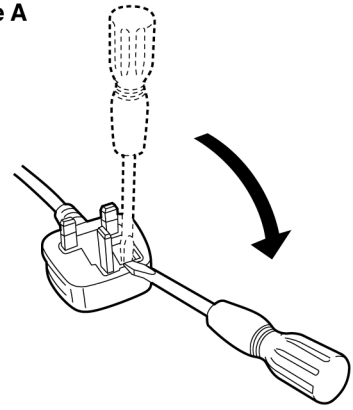
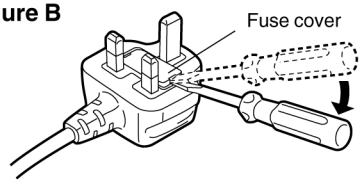


Figure B



2. Replace the fuse and close or attach the fuse cover.

Figure A

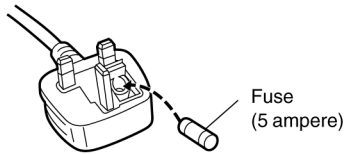
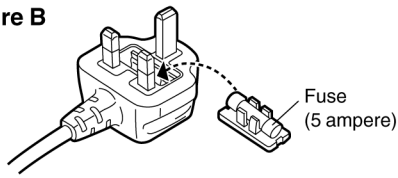
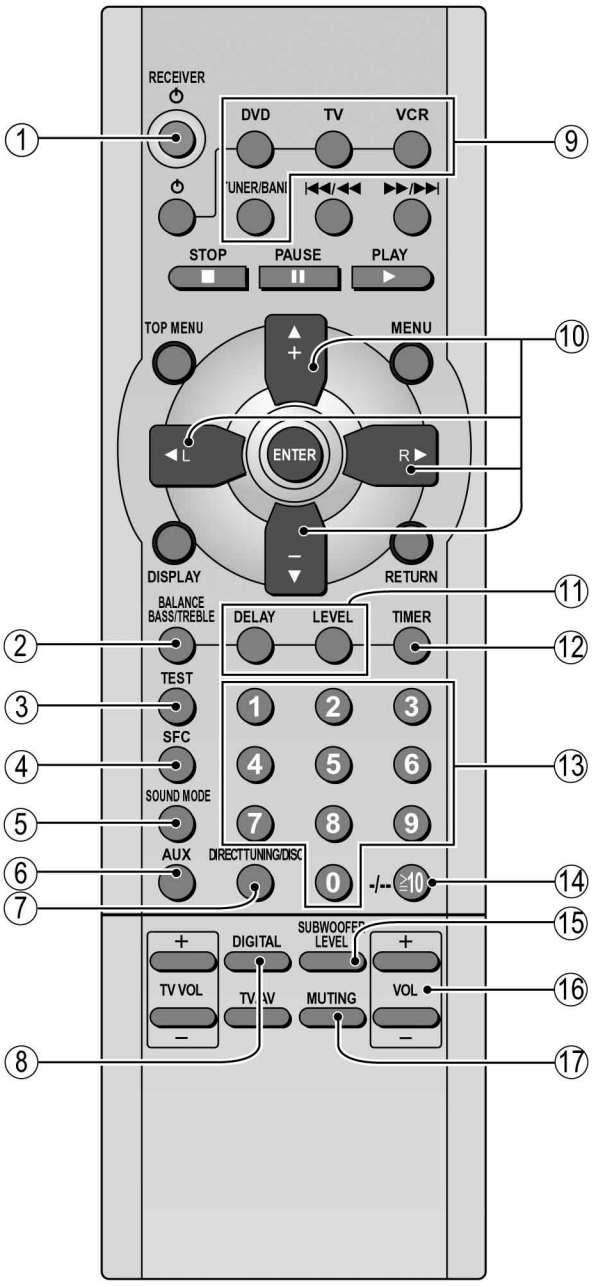


Figure B





Remote control

① **[RECEIVER ⏻]:**
Standby/on button

② **[BALANCE, BASS/TREBLE]:**
To select balance, bass, and treble to allow adjustment
- BALANCE: adjust with [◄ L, R ►]
- BASS and TREBLE: adjust with [▲ +, ▼ –]

③ **[TEST]:**
To start the speaker signal

④ **[SFC]:**
To select SFC modes

⑤ **[SOUND MODE]:**
To select the sound modes

⑥ **[AUX]:**
To select auxiliary (AUX) input

⑦ **[DIRECT TUNING/DISC]:**
To enable selection of radio stations by frequency

⑧ **[DIGITAL]:**
To switch between analogue and digital TV/DVD input

⑨ **[DVD, TV, VCR, TUNER/BAND]:**
Input and remote control mode buttons.
DVD: to switch input and remote control mode to DVD
TV: to switch input and remote control mode to TV
VCR: to switch input and remote control mode to VCR
TUNER/BAND: to switch input and remote control mode to TUNER and to change the radio band

⑩ **[▲ +, ▼ –, ◄ L, R ►]:**
To change settings

⑪ **[DELAY, LEVEL]:**
To select speaker delay time and output level to allow adjustment with [▲ +, ▼ –]

⑫ **[TIMER]:**
To select and set the sleep or wake timer to allow setting with [▲ +, ▼ –]

⑬ **[1-0]:**
To enter radio frequencies and channels

⑭ **[-/-- ≧10]:**
To enter two digit channels

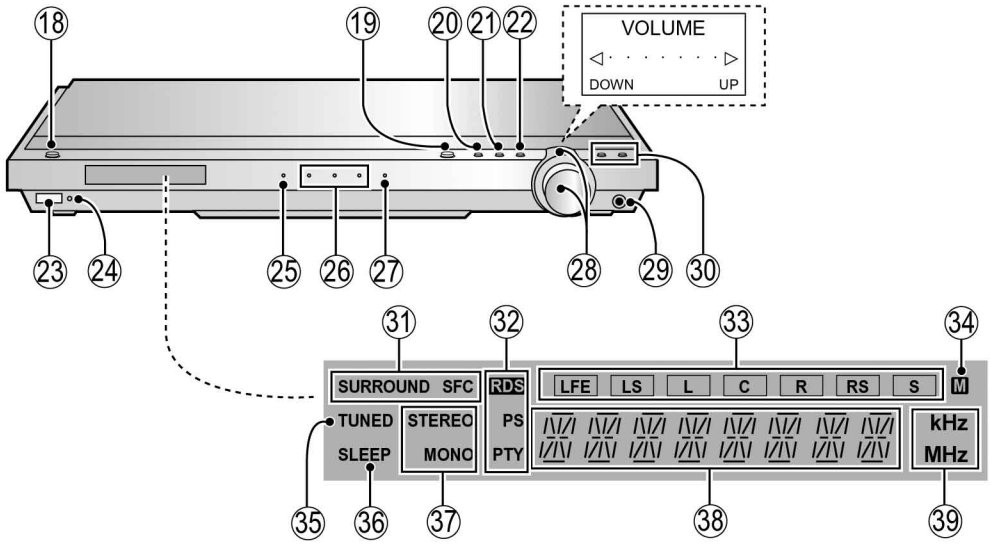
⑮ **[SUBWOOFER LEVEL]:**
To adjust subwoofer level
- Adjust the level in 5 steps
  SW MIN, SW 5, SW 10, SW 15, and SW MAX.
  Select SW – – – to stop output.

⑯ **[VOL, +, –]:**
To adjust the volume

⑰ **[MUTING]:**
To mute the volume

For your reference

- **Once you have set a mode (Sound mode or digital/analogue input) for an input source**
  That mode is engaged whenever you reselect the input source.
- **To adjust the bass and treble**
  The STEREO mode must be on and input must be either analogue or PCM signals.
- **When using the subwoofer**
  Sound can be distorted if you raise the volume while subwoofer level is high. Reduce subwoofer level if this occurs.
- **Muting**
  Muting is also canceled when the unit is turned off.



Main unit

⑱ Standby/on switch [⏻/I]

Press to switch the unit from on to standby mode or vice versa.
In standby mode, the unit is still consuming a small amount of power.

⑲ [INPUT SELECTOR]:

To select the input sourc

⑳ [-RDS, –FM MODE]: Continental Europe and the United Kingdom

Press to change the RDS display, press and hold to switch to monaural mode if FM reception is poor.

[FM MODE]: Other areas

Press to switch to monaural mode if FM reception is poor.

㉑ [MEMORY]:

To preset radio stations

㉒ [TUNE MODE]:

To allow preset channel selection with [∨ TUNING ∧]

㉓ Remote control signal sensor

㉔ Standby indicator [⏻]

When the unit is connected to the AC mains supply, this indicator lights up in standby mode and goes out when the unit is turned on.

㉕ [WAKE]:

Lights when the unit is in standby mode and the wake timer is set.

㉖ [–MULTI DECODER–, DOLBY DIGITAL, DOLBY PRO LOGIC Ⅱ, DTS]:

Light depending on the source you are playing.

DOLBY DIGITAL: Dolby Digital sources
DOLBY PRO LOGIC Ⅱ: Analogue sources in SURROUND mode
Digital sources with 2-channel signals in SURROUND mode
DTS: DTS sources

㉗ [DIGITAL INPUT]:

Lights when digital input is selected.

㉘ [VOLUME, ◁, ▷]:

Volume control and display. ◁ DOWN and ▷ UP light while adjusting the volume.

㉙ [PHONES]:

Headphone jack
Plug type: 6.3 mm stereo

- Avoid listening for prolonged periods of time to prevent hearing damage.
- The STEREO mode is engaged when you connect headphones and you cannot select any of the other sound modes.

㉚ [∨ TUNING ∧]:

For tuning the radio and selecting preset stations

Display section

㉛ [SURROUND, SFC]:

Show the current sound mode.

㉜ [RDS, PS, PTY]: Continental Europe and the United Kingdom

Show the current RDS signal type.

RDS: lights while RDS signals are being received
PS: program service, the station name
PTY: program type

㉝ [LFE, LS, L, C, R, RS, S]:

Show the channels contained in the digital input signal. They do not light when input is analogue.

LFE (Low Frequency Effect)**:** Deep-bass effect.
LS: Surround channel (left)
L: Front channel (left)
C: Center channel
R: Front channel (right)
RS: Surround channel (right)
S: If the surround channel is monaural.

㉞ [M]:

Memory indicator, flashes during presetting.

㉟ [TUNED]:

A station is tuned.

㊱ [SLEEP]:

The sleep timer is on.

㊲ [STEREO, MONO]:

STEREO: a stereo FM broadcast is tuned
MONO: you have switched to monaural mode

㊳ General display

Shows the input mode, radio frequency, and other general information.

㊴ [kHz, MHz]:

kHz: AM, or PCM sampling frequency
MHz: FM

TUNER PACK

FM ANT
+B(FM)
RF AMP
FM MIXER
IFT
+B(FM)
LOCAL OSC
BUFFER AMP
+B(FM)
FM IF AMP
+B(FM)
AM ANT
AM ANT COIL
AM OSC COIL
+B4
SWITCH-ING
Rch
DET
LA1833NM
FM / AM I F AMP,
DET / AM OSC,
MIX / FM MPX
REG
AFC
OSC
AM RF IN
AGC
AM OUT
DET OUT
PILOT IN
MPX IN
PILOT OUT
Lch
Rch
DECODER
OSC OUT
ALC
BUFF.
AM OSC
AM MIX
AM RF AMP
AGC
PHASE DET.
STEREO SW
PILOT CANCEL
AM IF
AM DET.
LEVEL DET.
FM IF IN
FM IF
S-CURVE
AM/FM IF BUFF.
COMP.
VCO
FF
FF
FF
PILOT DET.
FM DET.
TUNING DRIVE
Vcc
FMDET
AM MIX OUT
AM IF IN
SD
STRQ
GND
FM/AM
MONO
ST
+B4
+B4
AM IFT
SD
18
AOUT
17
AIN
16
PD
PHASE DETECTOR CHARGE PUMP
REFERENCE DIVIDER
XIN
1
7.2MHz
XOUT
20
11
IFIN
SWALLOW COUNTER 1/6,1/17 4bit
1/2
FM IN
14
12 BIT PROGRAMMABLE DIVIDER
AM IN
13
LC72131M
PLL FREQUENCY SYNTHESIZER
CE
2
DI
3
CL
4
D0
5
B01
6
SER3
SER1
SER2
DO ST
+B4
15
VDD
UNIVERSAL COUNTER
DATA SHIFT REGISTER LATCH
+B(FM)
POWER ON RESET
19
VSS
+B1
POWER SUPPLY (FM:ON)
I01
I02
B02
B03
B04
10
12
7
8
9

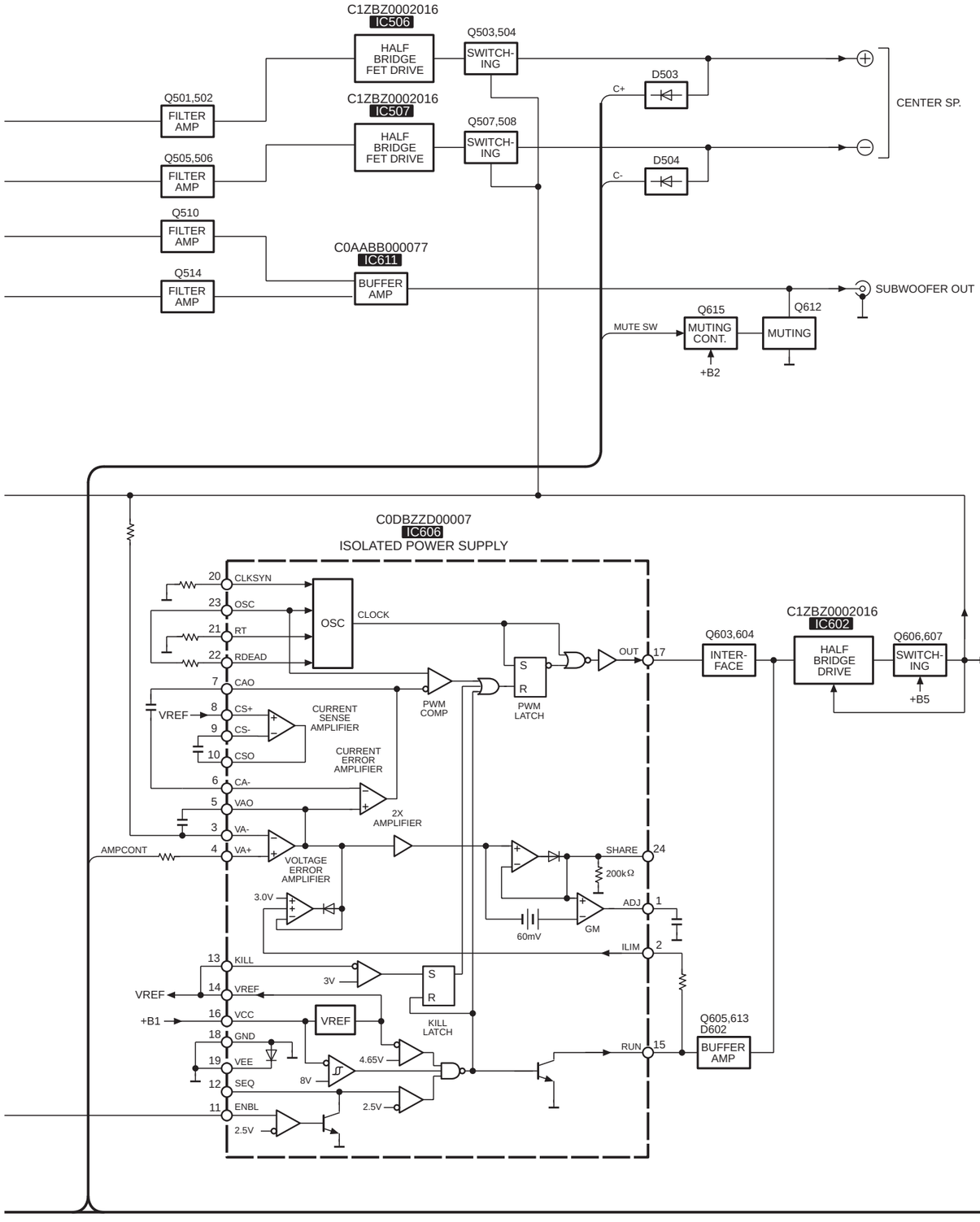
NJU7313AMT2
IC801
SIGNAL SELECTOR
AUDIO
LINE OUT
AUX
DVD IN
TV IN
OUT
VCR
IN
26 (5)
29 (2)
28 (3)
27 (4)
24 (7)
23 (8)
21 (10)
20 (11)
X4
S1
S2
S3
S5
S6
S7
S8
C1
C2
C3
25 (6)
22 (9)
19 (12)
-B1
1
VEE
+B1
30
VDD
15
VSS
LEVEL SHIFT
LATCH CIRCUIT
SHIFT REGISTER
ST
14
CK
16
DATA
17

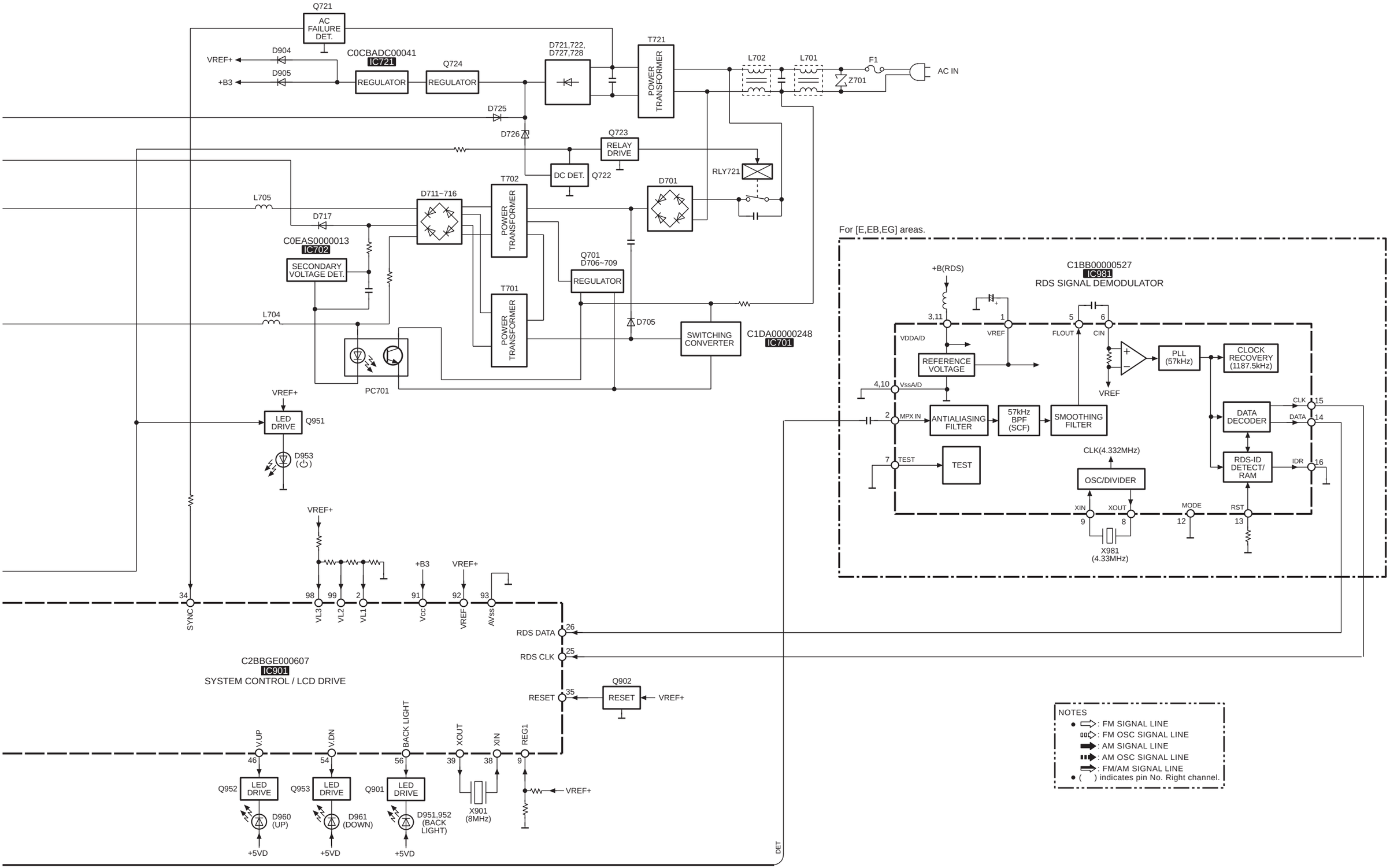
NJM4580EDTE1
IC802
BUFFER AMP
NJM2115MTE1
IC803
BUFFER AMP
NJM2115MTE1
IC804
BUFFER AMP
Q818
ATT
Q817
ATT CONT.
C1BB00000672
IC1013
A/D CONVERTER
5 (24)
AINL- (AINR-)
4 (25)
AINL+ (AINR+)
7
FMT1
12
BYPAS
15
SDATA
16
BCLK
17
LRCK
DELTA-SIGMA MODULATOR
DECIMATION FILTER
HPF
SERIAL OUTPUT INTERFACE
3 (26)
VCOML (VCOMR)
2 (27)
AGND1 (AGND2)
1 (28)
VREF
Vref
CLK CONTROL
CLK CONTROL
OSR2
OSR1
OSR0
AGND
VCC
DGND
VDD
RST
OVFR
OVFL
M/S
FMT0
SYSCK
11
10
9
23
22
13
14
19
20
21
8
6
18
SW5V
+3.3VD
+3.3VD
SER1
SER2
SER4
ADC ATT
ADOSR1
ADOSR0
ADRST
OVFR
OVFL

NJM2279MT2
IC805
VIDEO AMP
DCDET
D806
+B4
6
GND2
7
GND1
VIDEO
Q804
-B1
REGULATOR
14
-V
+V
8
Q805
REGULATOR
+B1
TV IN
DVD IN
VCR IN
1
3
2
12
5
4
10
VCR OUT
TV MONITER OUT
13
11
D810
D811
V SW1
V SW2

DIGITAL IN
OPT 1/2
COAXIAL
+5VD
L817
42,44 RX0,1
46 RX2
28 DAUX
26 BICK
24 LRCK
22 DVSS
41 AVSS
45 TEST1
13 TVDD
21 DVDD
38 AVDD
11 XTL1
+5VD +3.3VD +3.3VD +3.3VD
C1BB00000692
IC1012
DIGITAL AUDIO TRANSCEIVER
30 XTI
40 VCOM
39 R
34 CCLK
37 INT1
36 INT0
35 CSN
33 CDTI
32 CDTO
31 PDN
25 SDTO
23 MCKO1
27 MCKO2
C0JBAB000423
IC1017
INVER-TER
X1002 (23.578MHz)
+5VD
Q1001
POWER SUPPLY
OSC PW
TC7WH157FUTL
IC1008
CLOCK SELECTOR
C0JBAB000371
IC1007
TRIPLE INVERTER
X1001 (24.576MHz)
TC7WH74FUTL
IC1009
FLIP FLOP
CCLK
DIRINT1
DIRINT0
CSAK
CD IN
CDTO
AKRST
TC7WH157FUTL
IC1016
CLOCK SELECTOR
MCKSEL
MCLK
C0JBAZ001539
IC1003
LOGIC CONTROL
C0JBAF000464
IC1004
LOGIC CONTROL
C0JBAF000464
IC1005
LOGIC CONTROL
C3BDNC000075
IC1001
LOGIC CONTROL
C0JBAZ001003
IC1010
LOGIC CONTROL
+2.5VD
C0JBAZ001437
IC1011
LOGIC CONTROL
+5VD
ROM CE
CS15~17
CSRESET
CS49
INTREQ
SCDOUT
MCLK
BCLK
LRCLK
C2HBZJ000001
IC1002
AC3/DTS/AAC
8~11, 14~17 DATA0~7
36 RESET
18 CS
7 SCCLK
6 SCDIN
4 EMWR
5 EMOE
19 SCD OUT
20 INTREQ
21 EXTMEN
PARALLEL OR SERIAL HOST INTERFACE
27 CMP DAT
28 CMP CLK
29 CMP REQ
25 SCLK N1
26 LRCLK N1
22 SDATA N1
30 CLK IN
31 CLK SEL
COMPRESSED DATA INPUT INTERFACE SPDIF RECEIVER
DIGITAL AUDIO INPUT INTERFACE
PLL CLOCK MANAGER
FRAMER SHIFTER
INPUT BUFFER CONTROLLER
RAM INPUT BUFFER
24-bit DSP PROCESSING
RAM PROGRAM MEMORY
RAM DATA MEMORY
ROM PROGRAM MEMORY
RAM DATA MEMORY
STC
RAM OUTPUT BUFFER
OUTPUT FORMATTER
MCLK 44
SCLK 43
LRCLK 42
AU DATA0 41
AU DATA1 40
AU DATA2 39
XMT958 3
DGND2 13
DGND1 2
DGND3 24
SCLK
LRCK
FILT2 32
AGND 35
VA 34
FILT1 33
Vd2 12
Vd1 1
Vd3 23
+2.5VD
LRCLK
BCLK
SDIN 19
LRCLK 18
SCLK 17
SERIAL AUDIO PORT
DIGITAL INTERPOLATION FILTER
EQUIBIT MODULATOR
BUFFER
PWM AP L 35
PWM AM L 34
PWM BP L 32
PWM BM L 33
PWM AP R 29
PWM AM R 28
PWM BP R 26
PWM BM R 27
AUDIO PORT CONFIGURATION
CONTROL SECTION
MOD0 22
MOD1 21
MOD2 20
DEM SEL 42
DEM EN 43
MUTE 38
RESET 7
PDN 8
FTEST 41
STEST 40
M S 10
DBSPD 39
DVDD1/2 12, 14, 31
DVSS1/2 13, 15, 30
DVDD3 L(R) 36 (25)
DVSS3 L(R) 37 (24)
AVDD1/2 48, 2
AVSS1/2 44, 5
+B2
MCLK 4
PLL FLAT RET 3
PLL FLAT OUT 1
MCLK IN 23
VALID L 9
VALID R
PLL/CLOCK GENERATOR
XTL IN 47
XTL OUT 46
OSC CAP 45
OSC
C0ZBZ0000654
IC101
DIGITAL AUDIO AMPLIFIER
C0JBAZ001127
IC111
DUAL BUS BUFFER
DUAL BUS BUFFER
R ch
C0JBAZ001127
IC110
C0JBAA000149
IC102
C0JBAA000149
IC103
C0JBAC000262
IC104
Q617
MUTING CONT.
+B2
MUTE F
RESET F
AMPRESET
C0BBCA000040
IC105
VOLTAGE COMPARATOR
MUTE HP
DBSPD
F+
F-
D101,102
C0EBE0000200
IC609
RESET
+B2
C2BBFE000123
IC1014
DSP
CSRESET 80
OSC PW 79
OVFR 27
OVFL 26
SCDOUT 72
CDIN 71
CCLK 70
CS49 69
CDTO 25
XOUT 15
XIN 14
VREF 74
VDD 16
HOLD 23
AVSS 73
-VP 28
INIT 57
CF1001 (4MHz)
SW5V
SW5V
SW5V
DIRINT1 22
DIRINT0 21
ADOSR0 20
ADOSR1 19
ADRST 18
INTREQ 9
AKRST 8
CSAK 7
MCKSEL 4
CA15~17 2,3,5
CA18 1
ROM CE
M RST
D1002
RESET 10
VR901 (VOLUME)
ENC1 11
ENC2 12
MUTE 17
AMPCNT 24
SIN 68
SCLK 66
SOUT 67
DECOUT 75
REQM 76
REQS 78
AAC ROM
AAC RQS

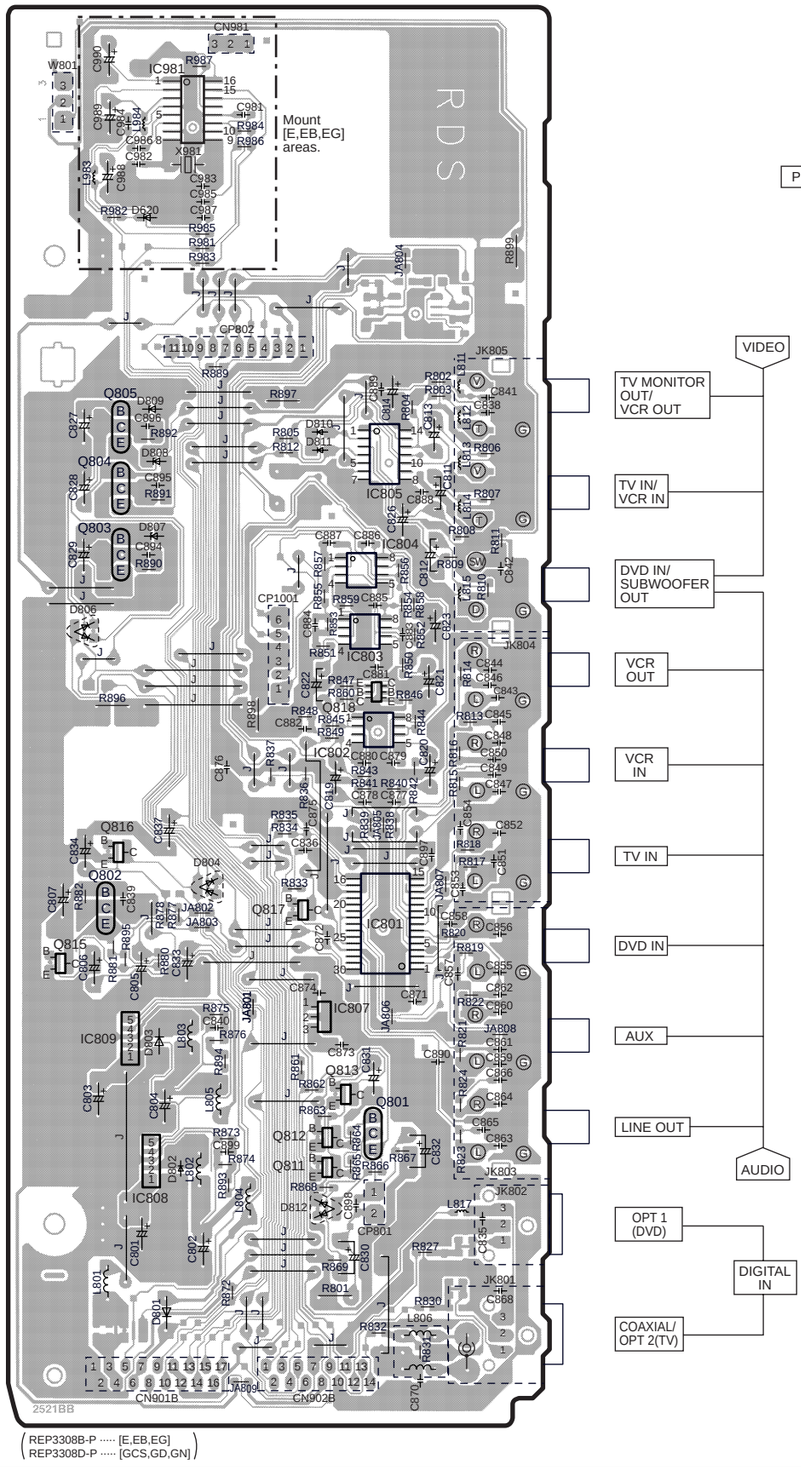
NJU7082BVAE1
IC603
HEADPHONES AMP
Q608 (Q609)
MUTING
PHONES
Q101,102
FILTER AMP
Q105,106
FILTER AMP
Q109,110
FILTER AMP
R ch
Q113,114
FILTER AMP
R ch
C1ZBZ0002016
IC106(IC108)
HALF BRIDGE FET DRIVE
C1ZBZ0002016
IC107(IC109)
HALF BRIDGE FET DRIVE
Q103,104 (Q111,112)
SWITCH-ING
Q107,108 (Q115,116)
SWITCH-ING
D103 (D105)
D104 (D106)
D751
F+
F-
HPSW
FAN IN
FRONT SP.
C0ZBZ0000654
IC301
DIGITAL AUDIO AMPLIFIER
MCLK
PLL FLAT RET
PLL FLAT OUT
MCLK IN
VALID L
VALID R
XTL IN
XTL OUT
OSC CAP
PLL/CLOCK GENERATOR
OSC
SDIN
LRCLK
SCLK
SERIAL AUDIO PORT
DIGITAL INTERPOLATION FILTER
EQUIBIT MODULATOR
BUFFER
PWM AP L
PWM AM L
PWM BP L
PWM BM L
PWM AP R
PWM AM R
PWM BP R
PWM BM R
AUDIO PORT CONFIGURATION
CONTROL SECTION
MOD0
MOD1
MOD2
DEM SEL
DEM EN
MUTE
RESET
PDN
FTEST
STEST
M S
DBSPD
DVDD1/2
DVSS1/2
DVDD3 L(R)
DVSS3 L(R)
AVDD1/2
AVSS1/2
+B2
C0JBAA000149
IC302
C0JBAA000149
IC303
C0JBAC000262
IC304
C0BBCA000040
IC305
VOLTAGE COMPARATOR
MUTE S
RESET S
D301,302
DBSPD
S-
S+
C0ZBZ0000654
IC501
DIGITAL AUDIO AMPLIFIER
C0JBAA000149
IC502
C0JBAA000149
IC503
C0JBAC000262
IC504
C0BBCA000040
IC505
VOLTAGE COMPARATOR
D501,502
MUTE SW
RESET CS
C+
C-
Q301,302
FILTER AMP
Q305,306
FILTER AMP
Q309,310
FILTER AMP
R ch
Q313,314
FILTER AMP
R ch
C1ZBZ0002016
IC306(IC308)
HALF BRIDGE FET DRIVE
C1ZBZ0002016
IC307(IC309)
HALF BRIDGE FET DRIVE
Q303,304 (Q311,312)
SWITCH-ING
Q307,308 (Q315,316)
SWITCH-ING
D303 (D305)
D304 (D306)
S+
S-
SURROUND SP.
C0JBAC000262
IC605
Q616
SWITCH-ING
D606
D607
Q610
INTER-FACE
S.DET.
Q611
INTER-FACE
TW
C0BBCA000040
IC601
+B1
VREF
VOLTAGE COMPARATOR
C0BBCA000040
IC610
+B1
VOLTAGE COMPARATOR
C0JBAC000262
IC607
RESET F
RESET S
RESET CS


C1ZBZ0002016
IC506
HALF BRIDGE FET DRIVE
Q503,504
SWITCH-ING
C1ZBZ0002016
IC507
HALF BRIDGE FET DRIVE
Q507,508
SWITCH-ING
Q501,502
FILTER AMP
Q505,506
FILTER AMP
Q510
FILTER AMP
Q514
FILTER AMP
C0AABB000077
IC611
BUFFER AMP
D503
D504
C+
C-
CENTER SP.
SUBWOOFER OUT
Q615
MUTING CONT.
Q612
MUTING
MUTE SW
+B2
C0DBZZD00007
IC606
ISOLATED POWER SUPPLY
OSC
CLOCK
CLKSYN
OSC
RT
RDEAD
CAO
CS+
CS-
CSO
CA-
VAO
VA-
VA+
AMPCONT
VREF
CURRENT SENSE AMPLIFIER
CURRENT ERROR AMPLIFIER
2X AMPLIFIER
VOLTAGE ERROR AMPLIFIER
PWM COMP
PWM LATCH
OUT
SHARE
200kΩ
ADJ
GM
60mV
3.0V
ILIM
KILL
VREF
VCC
GND
VEE
SEQ
ENBL
3V
KILL LATCH
VREF
+B1
4.65V
8V
2.5V
2.5V
RUN
Q603,604
INTER-FACE
C1ZBZ0002016
IC602
HALF BRIDGE DRIVE
Q606,607
SWITCH-ING
+B5
DECOUT
Q605,613
D602
BUFFER AMP
+B1
+B2
+B5
-B1
C0CBAYD00002
IC608
REGULATOR
L601
Q803
REGULATOR
Q802
REGULATOR
Q815
STABILIZER
Q816
DC DET.
C0CBADC00042
IC807
REGULATOR
SW5V
+B(RDS)
PQ1CZ21H2ZP
IC808
REGULATOR
L801
D801
L804
L802
+5VD
C0DBZZF00001
IC731
REGULATOR
+3.3VD
+2.5VD
D804
PQ1CZ21H2ZP
IC809
REGULATOR
L805
L803
DCDET
DBSPD
TW
S.DET.
AMPRESET
FAN IN
SER4
SER3
SER2
SER1
M RST
AAC RQM
M CK
M SO
M SI
AAC RQS
SD
DO ST
V SW1
V SW2
MUTE HP
HPSW
ADC ATT
MUTE F
MUTE S
MUTE SW
MUTE
D943
D942
D941
D944
D945
D946
+B1
FAN MOTOR
FAN MOTOR DRIVE
M
Q801, 811~813
32 DBSPD
3 THERMAL DET
4 SHORT DET
6 AMPRESET
10 FAN IN
11 SER4
12 SER3
13 SER2
14 SER1
18 M RESET
19 REQM
20 M CK
21 M SO
22 M SI
23 REQS
43 SD IN
44 DO/ST
45 NJM SW1
47 NJM SW2
48 MUT HP
49 PHONE
50 ANALOG ATT
51 MUT FRONT
52 MUT C/SR
53 MUT SW
42 PCONT
41 DCDET
55 FAN OUT
C2BBGE000607
IC901
SYSTEM CONTROL / LCD DRIVE
24 RMT
5 CRT
57~90, 94~97 LCD 1~38
7 KEY2
8 KEY1
27 WAKE LED
28 DIGITAL LED
29 DTS LED
30 AC3 LED
31 DPL LED
Z901 (REMOTE SENSOR)
VREF+
D902
LCD901
KEY SWITCH (S951~957)
D959 (WAKE)
D955 (DIGITAL INPUT)
D956 (DTS)
D958 (DOLBY DIGITAL)
D957 (DOLBY PROLOGIC Ⅱ)
+5VD


Q721
AC FAILURE DET.
C0CBADC00041
IC721
D904
D905
VREF+
+B3
REGULATOR
Q724
REGULATOR
D721,722, D727,728
T721
POWER TRANSFORMER
L702
L701
F1
Z701
AC IN
D725
D726
Q723
RELAY DRIVE
DC DET.
Q722
RLY721
D701
T702
D711~716
L705
D717
C0EAS0000013
IC702
SECONDARY VOLTAGE DET.
POWER TRANSFORMER
Q701
D706~709
REGULATOR
T701
L704
D705
SWITCHING CONVERTER
C1DA00000248
IC701
PC701
VREF+
LED DRIVE
Q951
D953
(⏻)
VREF+
+B3
VREF+
34
98
99
2
91
92
93
SYNC
VL3
VL2
VL1
Vcc
VREF
AVss
RDS DATA
26
RDS CLK
25
C2BBGE000607
IC901
SYSTEM CONTROL / LCD DRIVE
Q902
RESET
35
RESET
VREF+
V.UP
V.DN
BACK LIGHT
XOUT
XIN
REG1
46
54
56
39
38
9
Q952
LED DRIVE
D960 (UP)
Q953
LED DRIVE
D961 (DOWN)
Q901
LED DRIVE
D951,952 (BACK LIGHT)
X901 (8MHz)
VREF+
+5VD
+5VD
+5VD
DET
For [E,EB,EG] areas.
+B(RDS)
C1BB00000527
IC981
RDS SIGNAL DEMODULATOR
3,11
1
VREF
5
6
FLOUT
CIN
VDDA/D
REFERENCE VOLTAGE
4,10
VssA/D
VREF
PLL (57kHz)
CLOCK RECOVERY (1187.5kHz)
2
MPX IN
ANTIALIASING FILTER
57kHz BPF (SCF)
SMOOTHING FILTER
DATA DECODER
CLK
15
DATA
14
7
TEST
TEST
CLK(4.332MHz)
OSC/DIVIDER
RDS-ID DETECT/ RAM
IDR
16
XIN
XOUT
9
8
X981 (4.33MHz)
MODE
12
RST
13
NOTES
● : FM SIGNAL LINE
: FM OSC SIGNAL LINE
: AM SIGNAL LINE
: AM OSC SIGNAL LINE
: FM/AM SIGNAL LINE
● ( ) indicates pin No. Right channel.

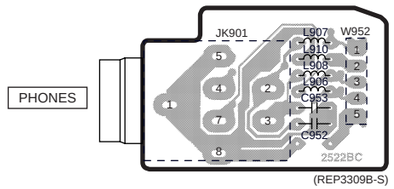
Note: This printed circuit board diagram may be modified at any time with the development of new technology.

A IN/OUT TERMINAL P.C.B.



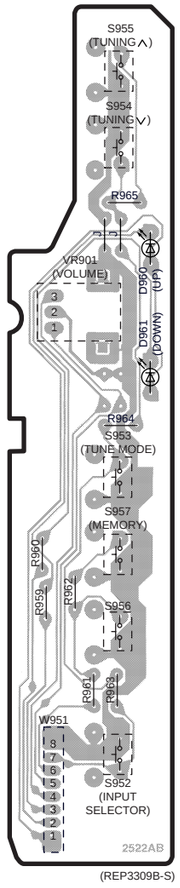
(REP3308B-P ..... [E,EB,EG]
REP3308D-P ..... [GCS,GD,GN])

E HEADPHONE P.C.B.



(REP3309B-S)

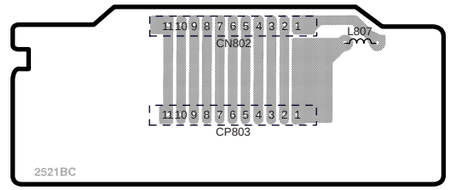
G OPERATION(2) P.C.B.



(REP3309B-S)

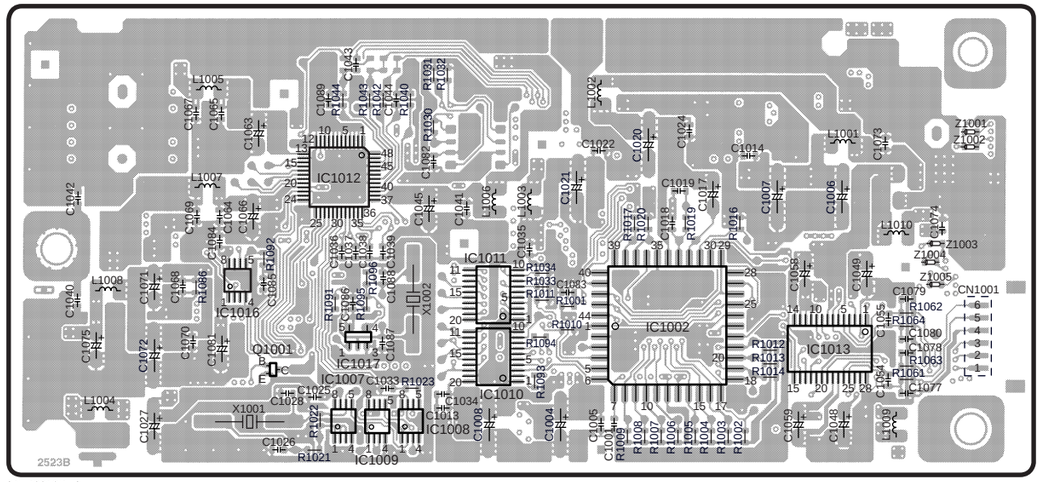
-RDS, –FM MODE ... [E,EB,EG]
FM MODE ... [GCS,GD,GN]

B CONNECTOR P.C.B.



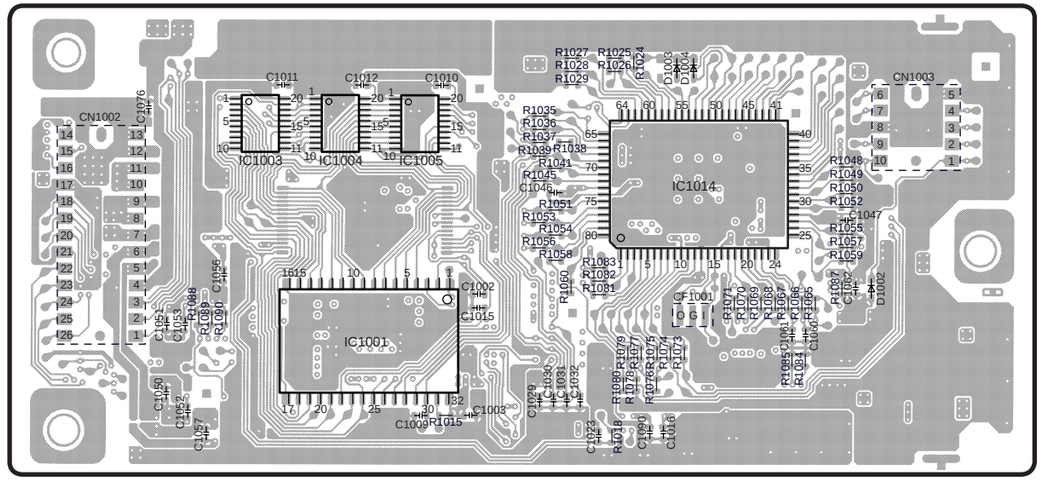
(REP3308B-P ..... [E,EB,EG]
REP3308D-P ..... [GCS,GD,GN])

C DSP P.C.B. (SIDE : A)



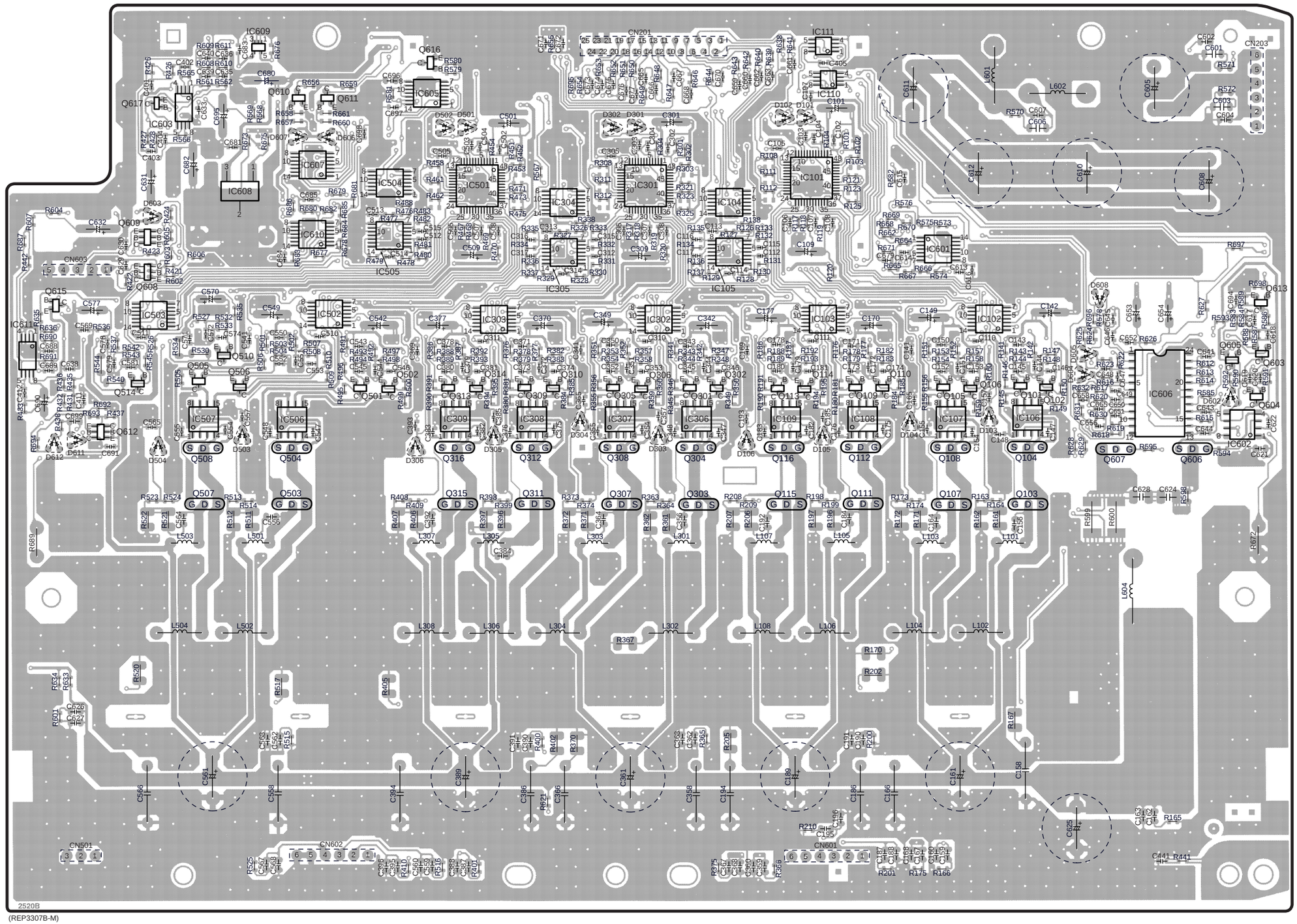
(REP3310B-T)

C DSP P.C.B. (SIDE : B)



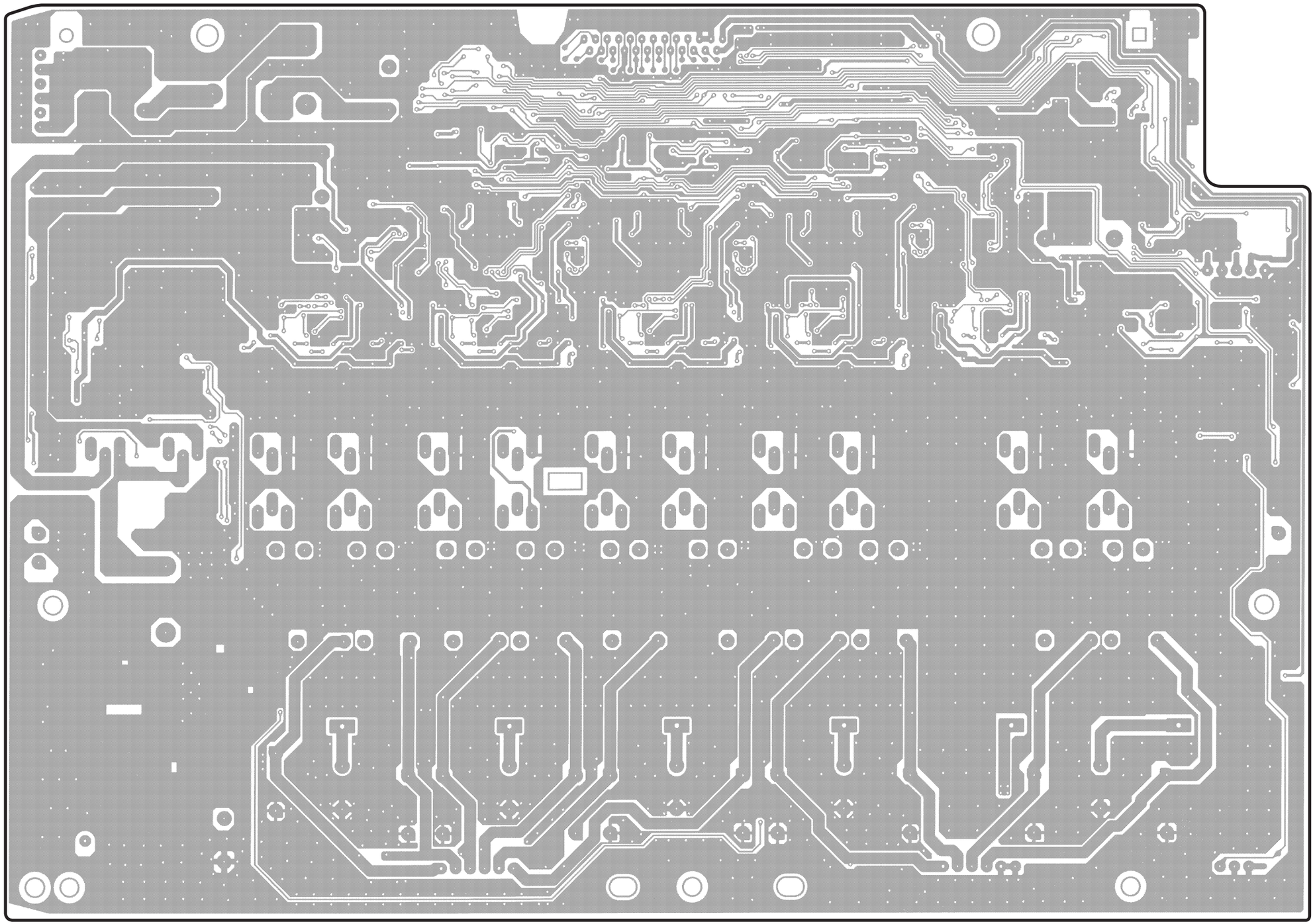
SA-XR10(E,EB,EG,GCS,GD,GN) IN/OUT TERMINAL, HEADPHONE, OPERATION(2), CONNECTOR, DSP P.C.B.

D MAIN P.C.B. (SIDE : A)

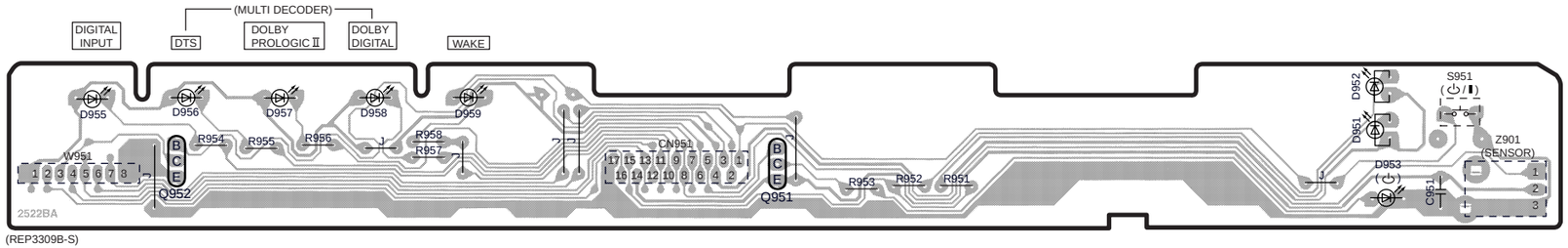


(REP3307B-M)

D MAIN P.C.B. (SIDE : B)

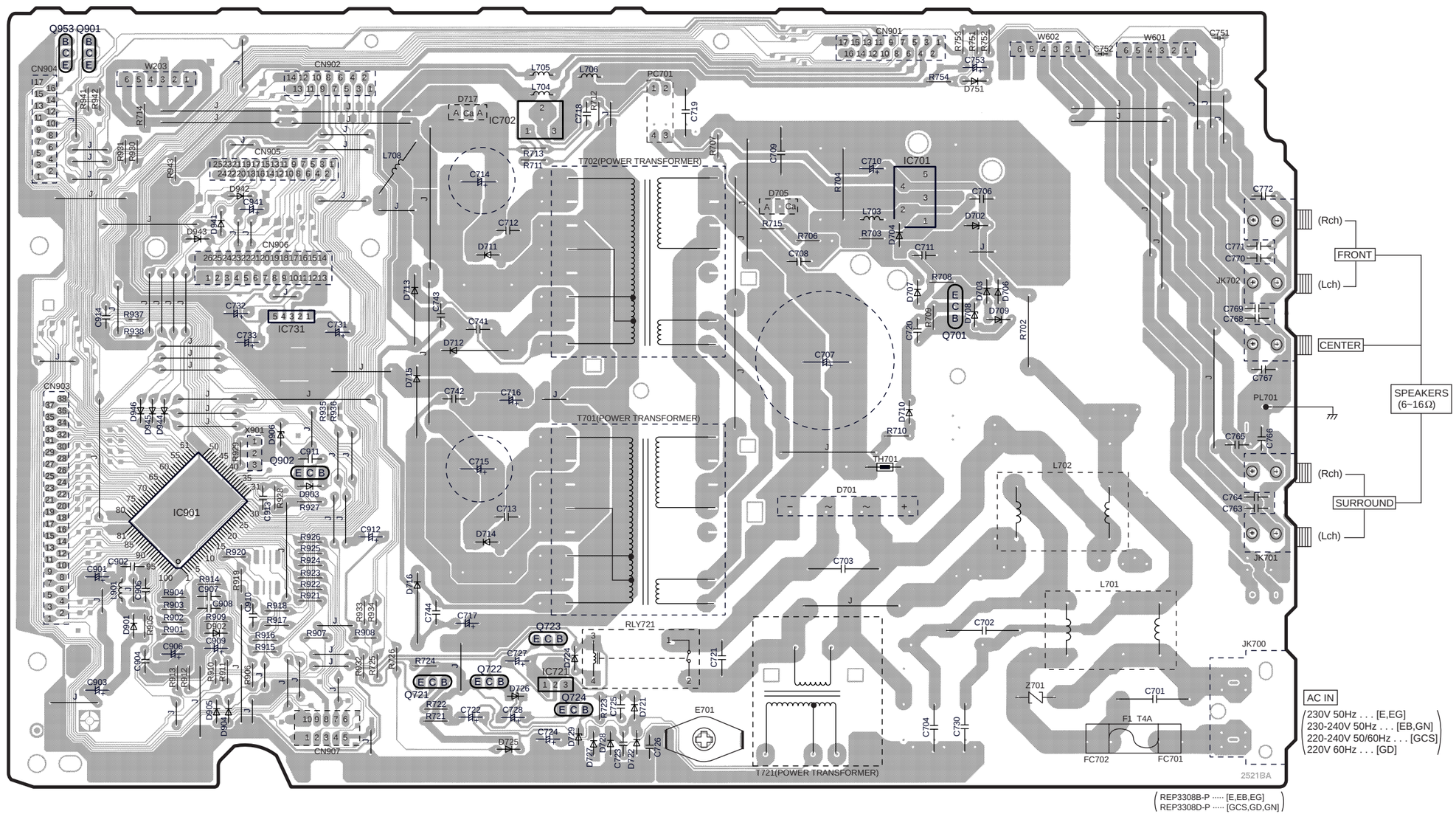


H OPERATION(1) P.C.B.



(REP3309B-S)

F POWER SUPPLY P.C.B.



(REP3308B-P ..... [E,EB,EG]
REP3308D-P ..... [GCS,GD,GN])

SCHEMATIC DIAGRAM–1

A IN/ OUT TERMINAL CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :FM/ AM SIGNAL LINE

NOTE:
The number which noted at the connectors on the schematic diagram as "SCHEMATIC DIAGRAM-1" or "SCHEMATIC DIAGRAM-2" indicates the schematic diagram serial number located on the left corner in the schematic diagram.

AUDIO
LINE OUT
AUX
DVD IN
TV IN
VCR
IN
OUT
SUB WOOFER OUT
VIDEO
MONITOR OUT
DIGITAL IN
OPT1 (DVD)
OPT2 (TV)
COAXIAL

IC801 NJU7313AMT2 SIGNAL SELECTOR
IC802 NJM4580EDTE1 BUFFER AMP
IC803 NJM2115MTE1 BUFFER AMP
IC804 NJM2115MTE1 BUFFER AMP
IC805 NJM2279MT2 VIDEO AMP
IC807 C0CBADC00042 REGULATOR
IC808 PQ1CZ21H2ZP REGULATOR
IC809 PQ1CZ21H2ZP REGULATOR
IC981 C1BB00000527 RDS SIGNAL DEMODULATOR

Q802 2SB621ARSTA REGULATOR
Q804 2SB621ARSTA REGULATOR
Q805 2SD592AQRSTA REGULATOR
Q815 2SA1037AKSTX STABILIZER
Q816 UN2215TX DC DET.
Q817 UNR211500L ATTENUATOR CONT.
Q818 B1GFGCAA0001 ATTENUATOR

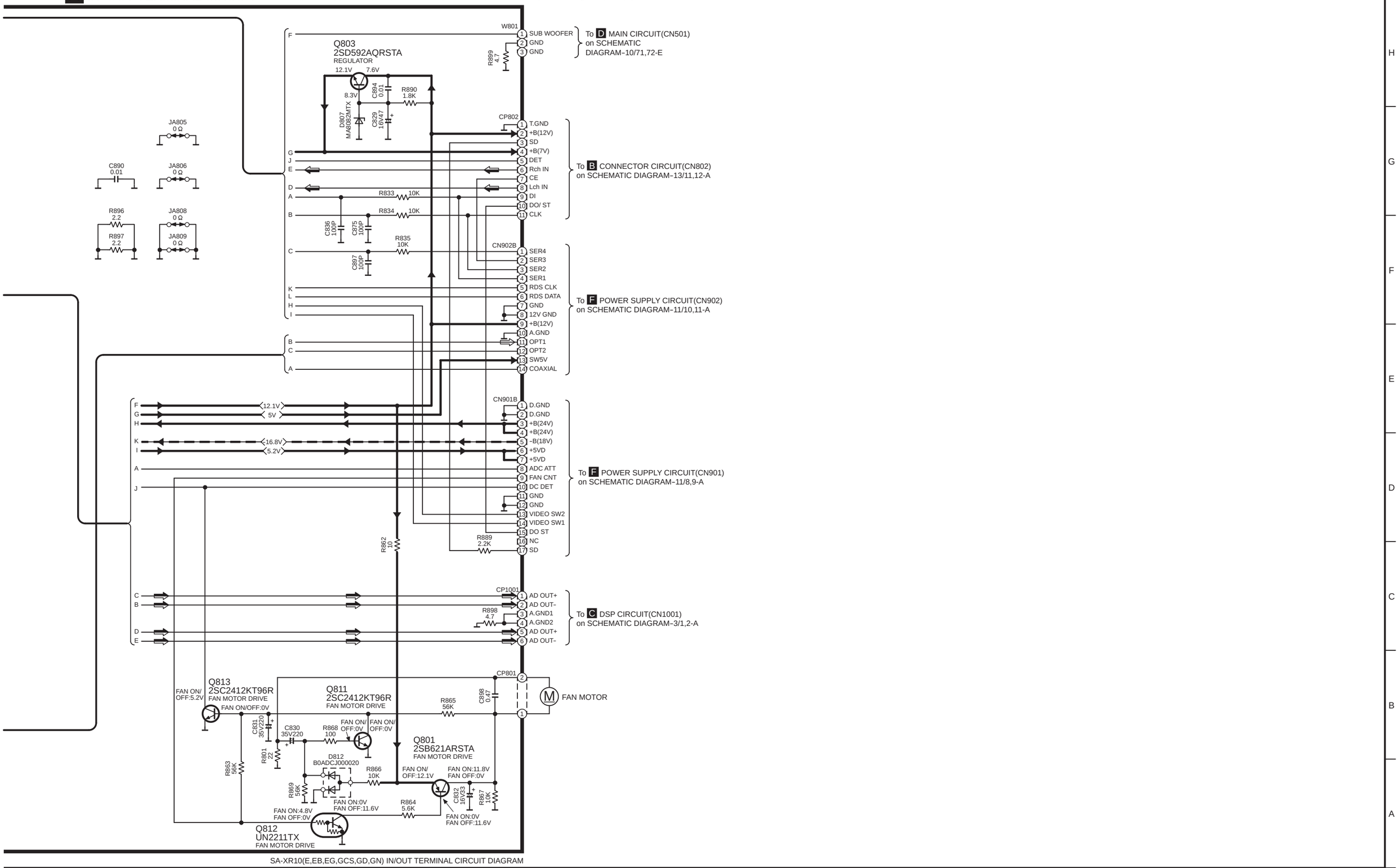
For [E,EB,EG] areas.

SA-XR10(E,EB,EG,GCS,GD,GN) IN/OUT TERMINAL CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM–2

A IN/ OUT TERMINAL CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :FM/ AM SIGNAL LINE



SA-XR10(E,EB,EG,GCS,GD,GN) IN/OUT TERMINAL CIRCUIT DIAGRAM

C DSP CIRCUIT

:POSITIVE VOLTAGE LINE — :NEGATIVE VOLTAGE LINE ⟹ :FM/ AM SIGNAL LINE

IC1014
C2BBFE000123
DSP

IC1002
C2HBZJ000001
AC3/ DTS/ AAC
DECODER

IC1013
C1BB00000672
A/ D CONVERTER

IC1011
C0JBAZ001437
LOGIC CONTROL

IC1010
C0JBAZ001003
LOGIC CONTROL

To A IN/OUT TERMINAL CIRCUIT(CP1001) on SCHEMATIC DIAGRAM–2/18-C

SCHEMATIC DIAGRAM-4 C DSP CIRCUIT

:POSITIVE VOLTAGE LINE :FM/ AM SIGNAL LINE

IC1001
C3DBNC000075
LOGIC CONTROL

IC1005
C0JBAF000464
LOGIC CONTROL

IC1004
C0JBAF000464
LOGIC CONTROL

IC1003
C0JBAZ001539
LOGIC CONTROL

IC1016
TC7WH157FUTL
CLOCK SELECTOR

IC1012
C1BB00000692
DIGITAL AUDIO TRANSCEIVER

IC1007
C0JBAB000371
TRIPLE INVERTER

IC1008
TC7WH157FUTL
CLOCK SELECTOR

IC1017
C0JBAB000423
INVERTER

IC1009
TC7WH74FUTL
FLIP FLOP

Q1001
DTA114YETL
POWER SUPPLY

X1001
H0J245500035

X1002
H0J240500015

D1002
1SS355TE17

Z1001
RLBV102V-Y

To F POWER SUPPLY CIRCUIT(CN907)
on SCHEMATIC DIAGRAM-11/7,8-A

To F POWER SUPPLY CIRCUIT(CN906)
on SCHEMATIC DIAGRAM-11/5,6-A

SA-XR10(E,EB,EG,GCS,GD,GN)
DSP CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM-5

D MAIN CIRCUIT

:POSITIVE VOLTAGE LINE　:FM/ AM SIGNAL LINE

IC110 C0JBAZ001127 DUAL BUS BUFFER

IC608 C0CBAYD00002 REGULATOR

IC609 C0EBE0000200 RESET

IC111 C0JBAZ001127 DUAL BUS BUFFER

Q617 UN5111TX MUTING CONT.

IC101 C0ZBZ0000654 DIGITAL AUDIO AMPLIFIER

D101 B0ADBH000001

D102 B0ADBH000001

IC105 C0BBCA000040 VOLTAGE COMPARATOR

To F POWER SUPPLY CIRCUIT(CN905) on SCHEMATIC DIAGRAM-11/2,3-A

SA-XR10(E,EB,EG,GCS,GD,GN) MAIN CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM-6 **D** MAIN CIRCUIT

:POSITIVE VOLTAGE LINE :FM/ AM SIGNAL LINE

12.1V
3.3V

IC102
C0JBAA000149
AND GATE

IC104
C0JBAC000262
NAND GATE

IC103
C0JBAA000149
AND GATE

W E A F C O Y

Vcc GND

Q101,102
B1ABDB000029
FILTER AMP

Q105,106
B1ABDB000029
FILTER AMP

Q113,114
B1ABDB000029
FILTER AMP

Q109,110
B1ABDB000029
FILTER AMP

IC106
C1ZBZ0002016
HALF BRIDGE FET DRIVE

IC107
C1ZBZ0002016
HALF BRIDGE FET DRIVE

IC108
C1ZBZ0002016
HALF BRIDGE FET DRIVE

IC109
C1ZBZ0002016
HALF BRIDGE FET DRIVE

LO Vss LI HI VDD HB HO HS

Q103,104
B1DEGF000001
SWITCHING

Q107,108
B1DEGF000001
SWITCHING

Q111,112
B1DEGF000001
SWITCHING

Q115,116
B1DEGF000001
SWITCHING

A J M D

SCHEMATIC DIAGRAM-7

D MAIN CIRCUIT

:POSITIVE VOLTAGE LINE

12.1V
3.3V

IC301
C0ZBZ0000654
DIGITAL AUDIO AMPLIFIER

IC302
C0JBAA000149
AND GATE

IC303
C0JBAA000149
AND GATE

IC304
C0JBAC000262
NAND GATE

IC305
C0BBCA000040
VOLTAGE COMPARATOR

Q305,306
B1ABDB000029
FILTER AMP

Q301,302
B1ABDB000029
FILTER AMP

Q313,314
B1ABDB000029
FILTER AMP

Q309,310
B1ABDB000029
FILTER AMP

D301
B0ADBH000001

D302
B0ADBH000001

SCHEMATIC DIAGRAM-8 **D** MAIN CIRCUIT

:POSITIVE VOLTAGE LINE

12.1V
3.3V

IC306
C1ZBZ0002016
HALF BRIDGE FET DRIVE

Q303,304
B1DEGF000001
SWITCHING

IC307
C1ZBZ0002016
HALF BRIDGE FET DRIVE

Q307,308
B1DEGF000001
SWITCHING

IC308
C1ZBZ0002016
HALF BRIDGE FET DRIVE

Q311,312
B1DEGF000001
SWITCHING

IC309
C1ZBZ0002016
HALF BRIDGE FET DRIVE

Q315,316
B1DEGF000001
SWITCHING

IC501
C0ZBZ0000654
DIGITAL AUDIO AMPLIFIER

IC505
C0BBCA000040
VOLTAGE COMPARATOR

SA-XR10(E,EB,EG,GCS,GD,GN) MAIN CIRCUIT DIAGRAM

37 38 39 40 41 42 43 44 45 46 47 48

D MAIN CIRCUIT

:POSITIVE VOLTAGE LINE

12.1V
3.3V

IC502
C0JBAA000149
AND GATE

IC504
C0JBAC000262
NAND GATE

IC503
C0JBAA000149
AND GATE

Q506
Q505,506
B1ABDB000029
FILTER AMP

Q501
Q501,502
B1ABDB000029
FILTER AMP

Q514
B1ABDB000029
FILTR AMP

Q510
B1ABDB000029
FILTER AMP

IC506
C1ZBZ0002016
HALF BRIDGE FET DRIVE

IC507
C1ZBZ0002016
HALF BRIDGE FET DRIVE

Q503
Q503,504
B1DEGF000001
SWITCHING

Q504

Q507
Q507,508
B1DEGF000001
SWITCHING

Q508

IC611
C0AABB000077
BUFFER AMP

Q615
UN5114TX
MUTING CONT.

Q612
B1GFGCAA0001
MUTING

D611
B0ADBH000001

D612
B0ADBH000001

D503
B0ADBH000001

D504
B0ADBH000001

L501
L502
L503
L504

SCHEMATIC DIAGRAM-10

D MAIN CIRCUIT

:POSITIVE VOLTAGE LINE

:FM/ AM SIGNAL LINE

E HEAD PHONE CIRCUIT

12.1V

3.3V

IC601
C0BBCA000040
VOLTAGE COMPARATOR

IC610
C0BBCA000040
VOLTAGE COMPARATOR

IC603
NJU7082BVAE1
HEADPHONES AMP

Q608
Q609
Q608,609
B1GFGCAA0001
MUTING

JK901
PHONES

To F POWER SUPPLY CIRCUIT(W601) on SCHEMATIC DIAGRAM-11/5-H

To F POWER SUPPLY CIRCUIT(W602) on SCHEMATIC DIAGRAM-11/6-H

To A IN/ OUT TERMINAL CIRCUIT(W801) on SCHEMATIC DIAGRAM-2/17,18-H

IC607
C0JBAC000262
NAND GATE

Q610,611
B1ABDB000029
INTERFACE

Q610

Q611

IC605
C0JBAC000262
NAND GATE

Q616
B1ABDB000029
SWITCHING

IC606
C0DBZZD00007
ISOLATED POWER SUPPLY

Q603,604
B1ABDB000029
INTERFACE

Q603

Q604

IC602
C1ZBZ0002016
HALF BRIDGE FET DRIVE

Q606

Q607

Q605

Q613
Q613,605
B1ABDB000029
BUFFER AMP

Q606,607
B1DEGL000004
SWITCHING

To F POWER SUPPLY CIRCUIT(W203) on SCHEMATIC DIAGRAM-11/11,12-A

SA-XR10(E,EB,EG,GCS,GD,GN) MAIN CIRCUIT DIAGRAM

61 62 63 64 65 66 67 68 69 70 71 72

H G F E D C B A

SCHEMATIC DIAGRAM-11

F POWER SUPPLY CIRCUIT

G OPERATION(2) CIRCUIT

H OPERATION(1) CIRCUIT

LCD901(L5AABHB00002)

:POSITIVE VOLTAGE LINE

:FM/ AM SIGNAL LINE

LCD DISPLAY

CN903

To D MAIN CIRCUIT (CN601) on SCHEMATIC DIAGRAM–10/71,72-G

To D MAIN CIRCUIT (CN602) on SCHEMATIC DIAGRAM–10/71,72-F

W601

W602

SPEAKERS (6~16 Ω)

Q901 UN4211TA LED DRIVE

Q953 UN4211TA LED DRIVE

D946 MA165TA

D945 MA165TA

D944 MA165TA

R938 1K

R937 10

C914 1000P

IC901 C2BBGE000607 SYSTEM CONTROL/ LCD DRIVE

X901 (8MHz)

R929 330

R930 22K

R931 47K

Q902 UN4212TA RESET

C912 50V2.2

D903 MA165TA

C911 0.01

R935 100

R901 39K

R902 100K

R903 100K

R904 100K

C906 10V22

R907 10K

R908 10K

R906 10K

R933 100

R934 100

R936 100

C901 6.3V100

C905 0.01

C902 0.1

R914 1.8K··· [E,EB,EG] 4.7K··· [GCS,GD,GN]

R909 220K

D902 MA165TA

C909 16V10

C908 560P

C907 560P

R915 100

R916 100

R917 100

R918 100

R919 22K

R920 4.7K

R921 100

R922 100

R923 100

R924 100

R925 100

R926 100

R911 100

R910 100

R912 10K

R913 10K

R932 4.7K

C913 0.01

D905 1SS291TA

D904 1SS291TA

R928 100K

R927 47K

L901 3.3μH

R905 680

D901 MA7231A

C904 1000P

C910 0.01

C903 6.3V1000

C941 50V1

D941 MA165TA

D942 MA165TA

D943 MA165TA

R943 10K

12.1V

JK701

JK702

PL701

Lch

SURROUND

Rch

CENTER

FRONT

C763 1000P

C764 1000P

C765 1000P

C766 1000P

C767 1000P

C768 1000P

C769 1000P

C770 1000P

C771 1000P

C772 1000P

C751 0.1

C752 0.1

R751 18K

R752 47K

R753 10K

D751 MA165TA

C753 50V2.2

R754 220K

D906 MTZJ5R1BTA

IC731 C0DBZZF00001 REGULATOR

Vo2 2.5V

Vo1 3.3V

GND

NC

VIN 5.2V

C733 10V22

C732 10V22

C731 10V22

S955 (TUNING ⋀)

S954 (TUNING ⋁)

S953 (TUNE MODE)

S952 (INPUT SELECTOR)

S957 (MEMORY)

S956 (━ RDS, ━ FM MODE) ··· [E,EB,EG] (FM MODE) ····· [GCS,GD,GN]

R965 1.2K

R964 1K

R963 1K

R962 1K

R961 1K

VR901 (VOLUME)

D960 LNJ301MPUJAD (UP)

D961 LNJ301MPUJAD (DOWN)

R959 220

R960 220

W951

S951 (⏻ / I)

Z901 RCDGP1U26XD (REMOTE SENSOR)

OUT VDD GND

Q951 UN4111TA LED DRIVE

Q952 UN4211TA LED DRIVE

D953 LNJ201LPQJA (⏻)

R953 1K

C951 0.01

D955 LNJ301MPUJAD (DIGITAL INPUT)

D956 LNJ301MPUJAD (DTS)

D957 LNJ301MPUJAD (DOLBY PROLOGIC II)

D958 LNJ301MPUJAD (DOLBY DIGITAL)

D959 SELS5923C (WAKE)

D951 LNH0A8CYB0A2 (BACK LIGHT)

D952 LNH0A8CYB0A2 (BACK LIGHT)

R954 330

R955 330

R956 330

R957 330

R958 560

R951 120

R952 120

CN951

CN904

CN905

CN906

CN907

CN901

CN902

W203

L705

L704

L706

L708 0.7μH

R941 47K

R942 47K

R714 6.8K

D717 B0JBSG000022

To D MAIN CIRCUIT(CN201) on SCHEMATIC DIAGRAM–5/1,2-B

To C DSP CIRCUIT(CN1002) on SCHEMATIC DIAGRAM–4/22,23-A

To C DSP CIRCUIT(CN1003) on SCHEMATIC DIAGRAM–4/20,21-A

To A IN/ OUT TERMINAL CIRCUIT(CN901B) on SCHEMATIC DIAGRAM–2/11,12-D

To A IN/ OUT TERMINAL CIRCUIT (CN902B) on SCHEMATIC DIAGRAM–2/17,18-E,F

To D MAIN CIRCUIT(CN203) on SCHEMATIC DIAGRAM–10/71,72-C

SA-XR10(E,EB,EG,GCS,GD,GN)
POWER SUPPLY,OPERATION(1),(2) CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM-12

F POWER SUPPLY CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE

T721 AC 4.8V
L702 C702 0.22 C704 470P L701 Z701 C701 0.22 F1 T4A JK700
AC IN
230V 50Hz ..... [E,EG]
230~240V 50Hz ..... [EB,GN]
220~240V 50/60Hz ... [GCS]
220V 60Hz ..... [GD]
C730 470P E701 C726 0.01

IC721 C0CBADC00041 REGULATOR
IN GND OUT 10.2V 5.8V
Q724 2SD2144STA REGULATOR. 10.8V 10.2V 10.6V
R723 560 C725 0.01 C728 50V1
D721,722,727,728 RL1N4003N02
C724 16V1000 D727 D721 C723 0.01 D728 D722
D729 MA8120MTX
R726 22 D725 MA165TA
Q722 UN4211TA DC DET. 0.7V
D726 MA8150LTX 0.5V
R725 3.3K
Q723 2SD2144STA RELAY DRIVE 0V 0.7V
R724 1K C722 50V4.7

IC702 C0EASE0000013 SECONDARY VOLTAGE DET.
PC701 B3PAA0000175
R722 10K 2.8V -0.3V
Q721 UN4211TA AC FAILURE DET.
R721 10K
5.8V
C727 50V1
R711 2.2K R712 1.8K
40V 15.2V
R713 1K C718 0.01

D724 MA165TA
RLY721
C721 1000P

D701 B0FFAR000001
TH701 C703 0.22
C707 400V180
C712 0.01 D711 B0HFRJ0000012
T702
C714 63V1000 C741 0.01 AC 112.8V
D712 B0HANM0000012 AC 189.3V
D713 B0HAMM000074 C743 0.01
C708 0.01 R706 100K R715 100K
D710 B0HAJM000005 R710 22
D708 MTZJ10BTA
Q701 B1BACJ000005 REGULATOR
Q701 7.9V 7V
D706 B0HAJM000005
R702 68K
R709 10K 7.3V R708 22K
D705 B0ZAZ0000052
C720 1000P
D707 B0HAJM000005
R707 3.3K

T701
C713 0.01 D714 B0HFRJ0000012 AC 112.3V
C715 63V1000 C742 0.01 D715 B0HANM0000012 AC 196.6V
C716 35V1000 C744 0.01 D716 B0HAMM000074
C717 25V470
C709 820P
D709 B0BAG1800019
D703 MA165TA
C711 220P
C719 1000P

IC701 C1DA00000248 SWITCHING CONVERTER
1.6V 1 O.C.P/ F.B
0V 2 S
-17.8V 3 D
16.2V 4 V IN
0V 5 GND
R703 680 L703
R704 0.082 D704 AK03WK C706 470P
C710 25V47 D702 MTZJ30DTA

SA-XR10(E,EB,EG,GCS,GD,GN) POWER SUPPLY CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM–13

TUNER PACK(RAN0002EM-1)

:POSITIVE VOLTAGE LINE :FM SIGNAL LINE :AM SIGNAL LINE :FM OSC SIGNAL LINE :AM OSC SIGNAL LINE :FM/ AM SIGNAL LINE

2SK360 RF AMP

2SC2059 FM MIXER

2SK360 FM OSC

2SC2413 BUFFER AMP

2SC2413 FM IF AMP

2SC2413 FM IF AMP

DTA114 POWER SUPPLY (FM:ON)

2SC2712 SWITCHING

LA1833MN FM/AM IF AMP, DET/AM OSC,MIX/FM MPX

LC72131M PLL FREQUENCY SYNTHESIZER

FM ANT (75Ω)

AM ANT EXT LOOP

B CONNECTOR CIRCUIT

CP803

CN802

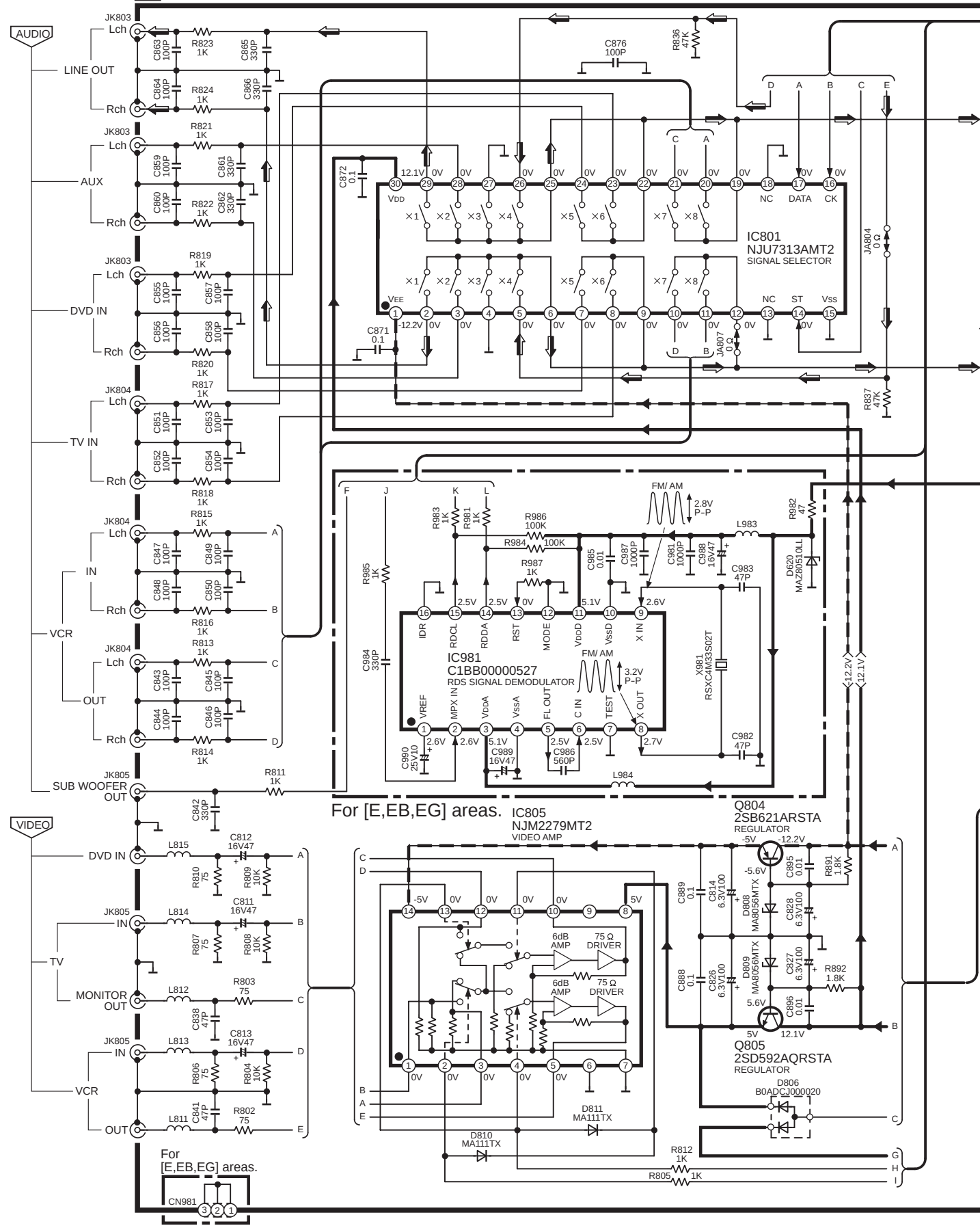
To A IN/ OUT TERMIAL CIRCUIT(CP802) on SCHEMATIC DIAGRAM-2/17,18-G

SA-XR10(E,EB,EG,GCS,GD,GN) TUNER PACK CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM–1

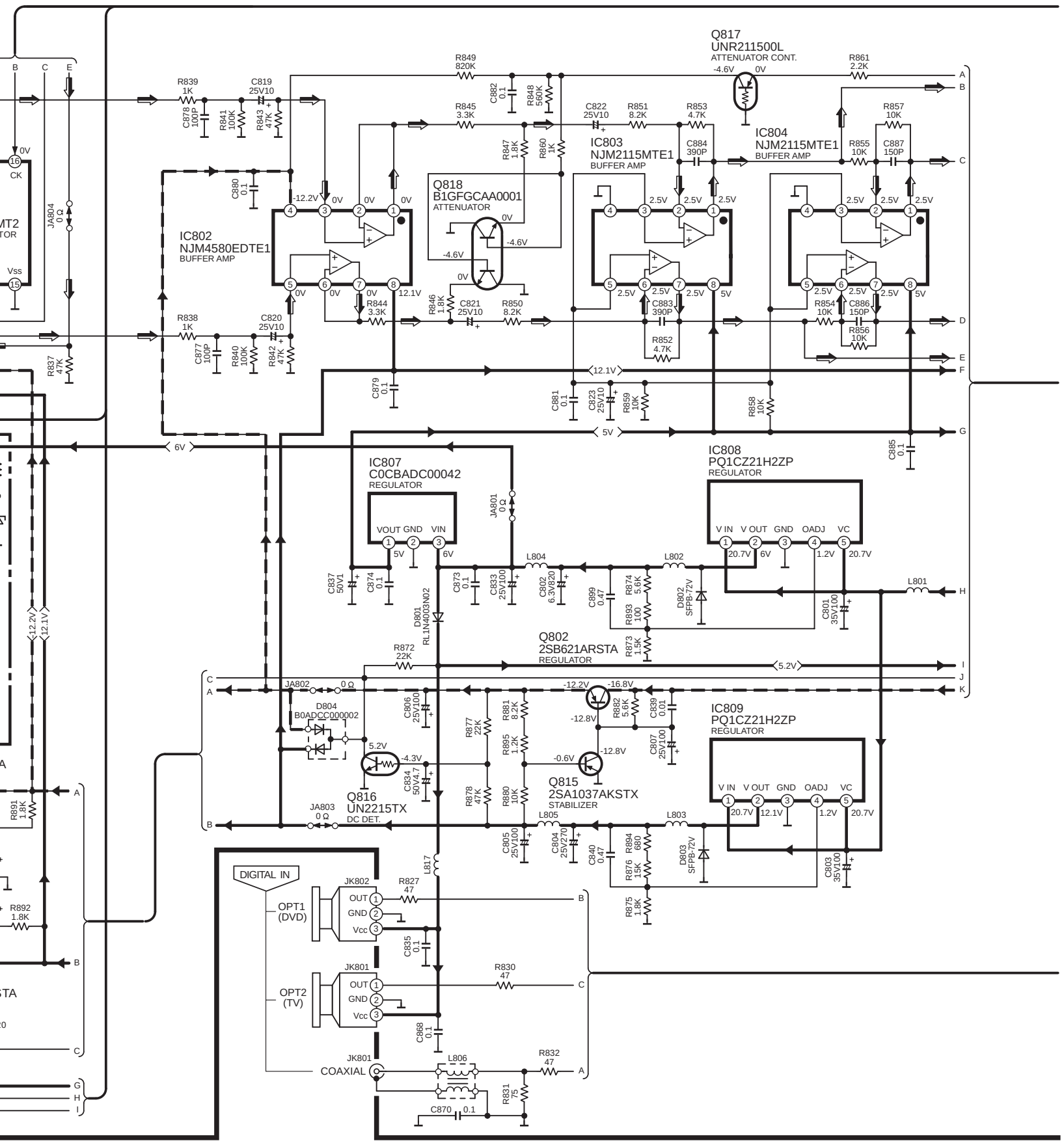
A IN/ OUT TERMINAL CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :FM/ AM SIG



NOTE:
The number which noted at the connectors on the schematic diagram as "SCHEMATIC DIAGRAM-1" or "SCHEMATIC DIAGRAM-2" indicates the schematic diagram serial number located on the left corner in the schematic diagram.

OLTAGE LINE ⇒ :FM/ AM SIGNAL LINE

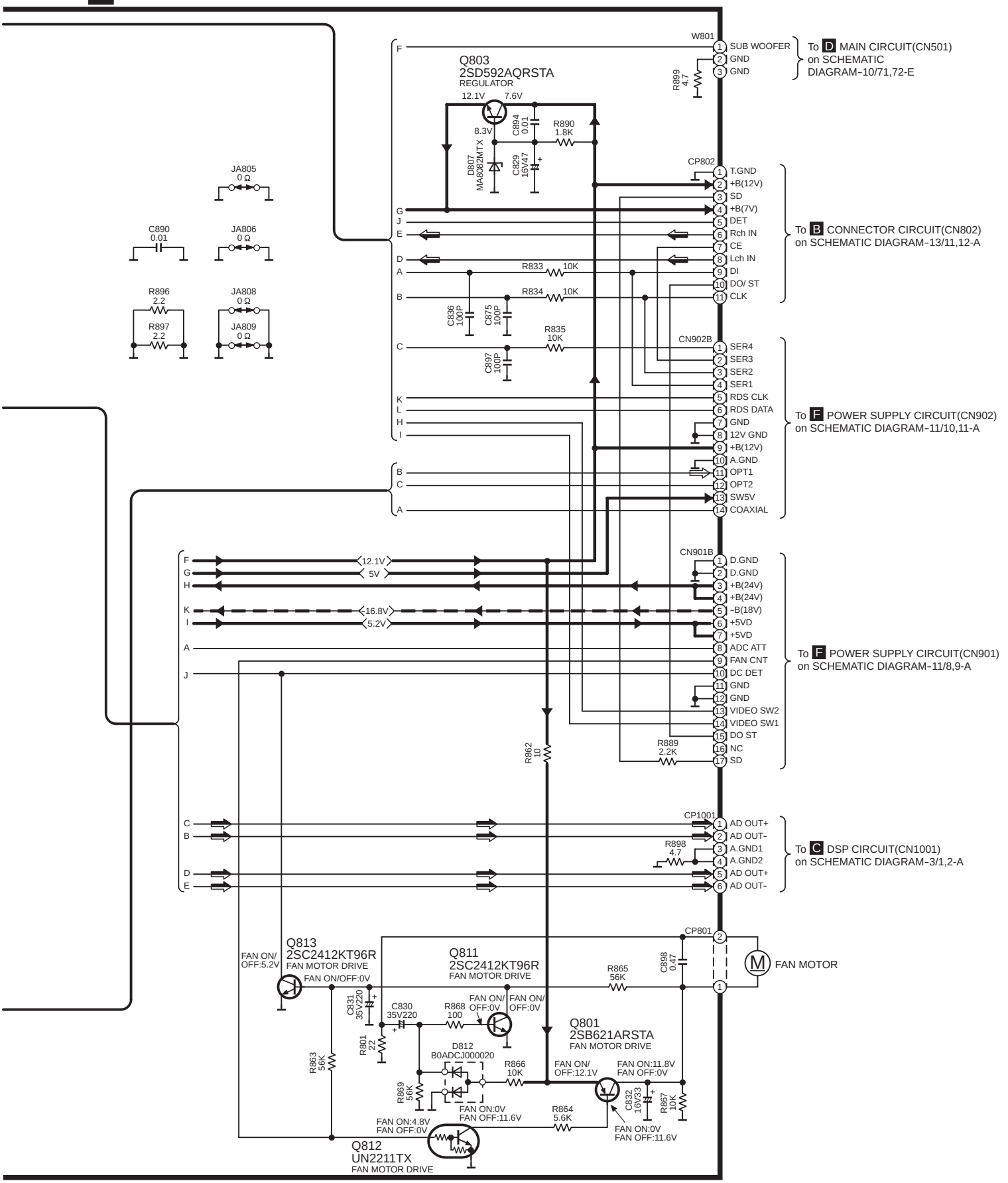


SA-XR10(E,EB,EG,GCS,GD,GN) IN/OUT TERMINAL CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM–2

A IN/ OUT TERMINAL CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :FM/ AM SIGNAL LINE



SA-XR10(E,EB,EG,GCS,GD,GN) IN/OUT TERMINAL CIRCUIT DIAGRAM

E

CN501)

CUIT(CN802)
M-13/11,12-A

IRCUIT(CN902)
M-11/10,11-A

CIRCUIT(CN901)
M-11/8,9-A

001)
M-3/1,2-A

H

G

F

E

D

C

B

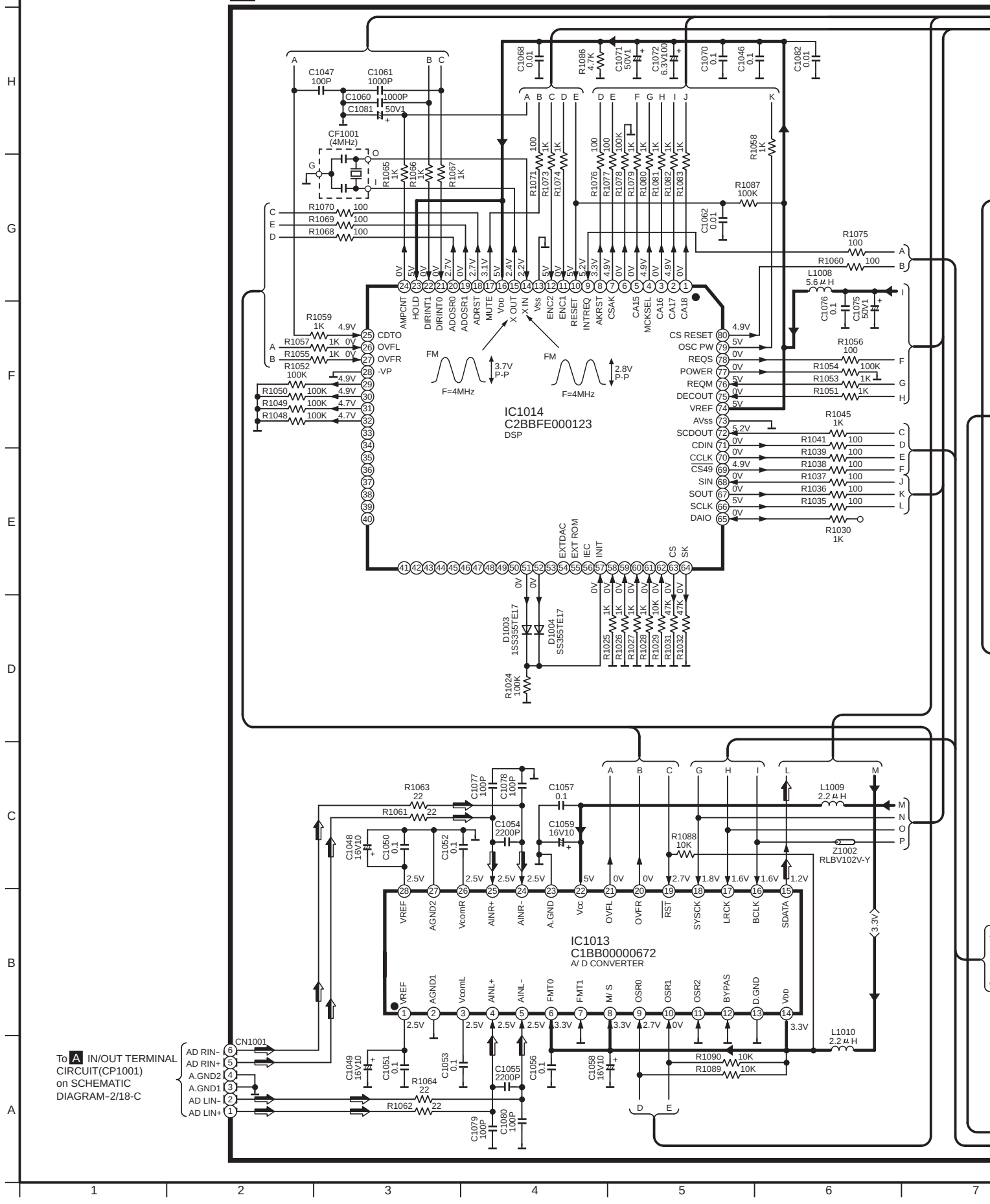
A

18 | 19 | 20 | 21 | 22 | 23 | 24

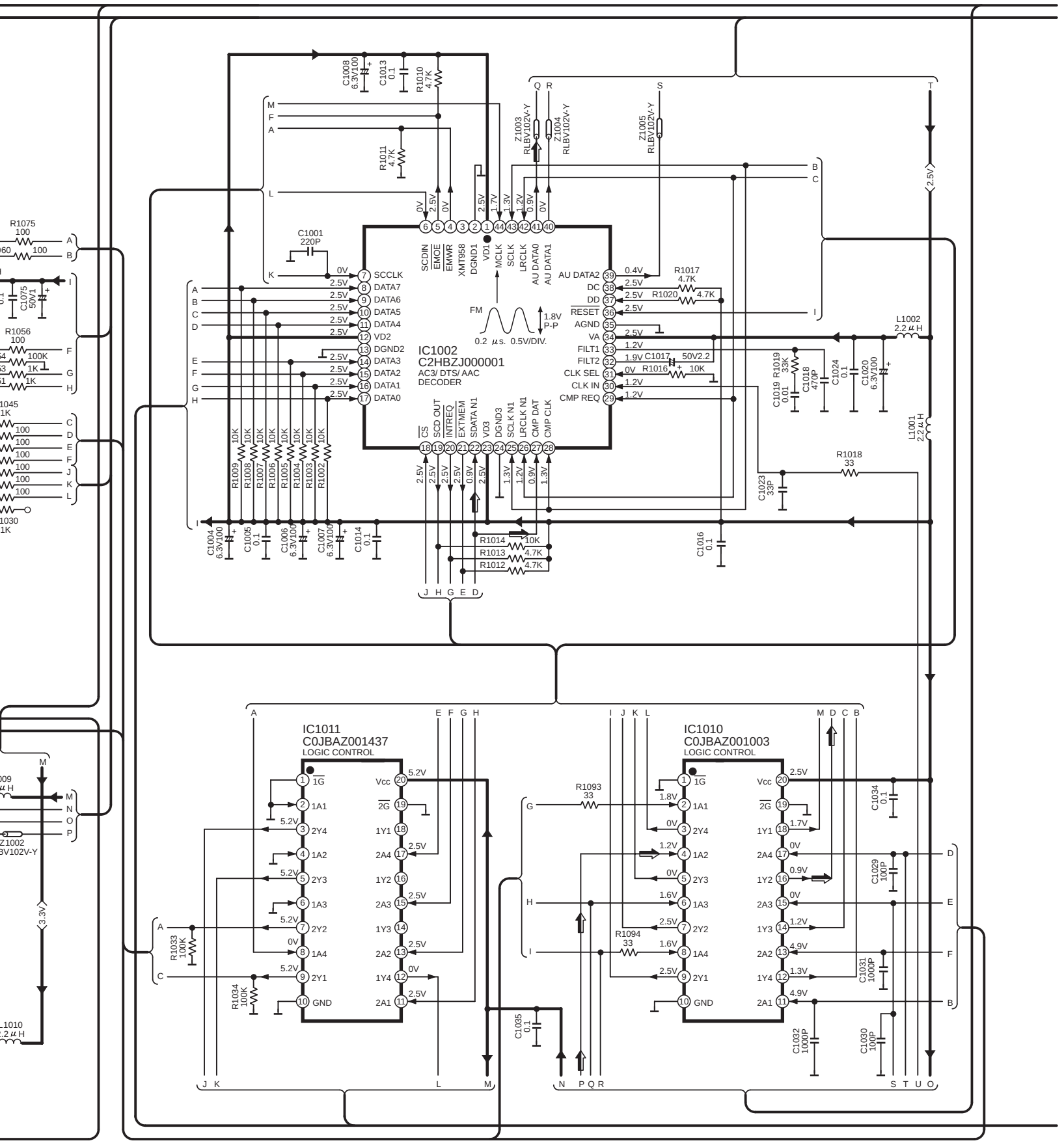
SCHEMATIC DIAGRAM-3

C DSP CIRCUIT

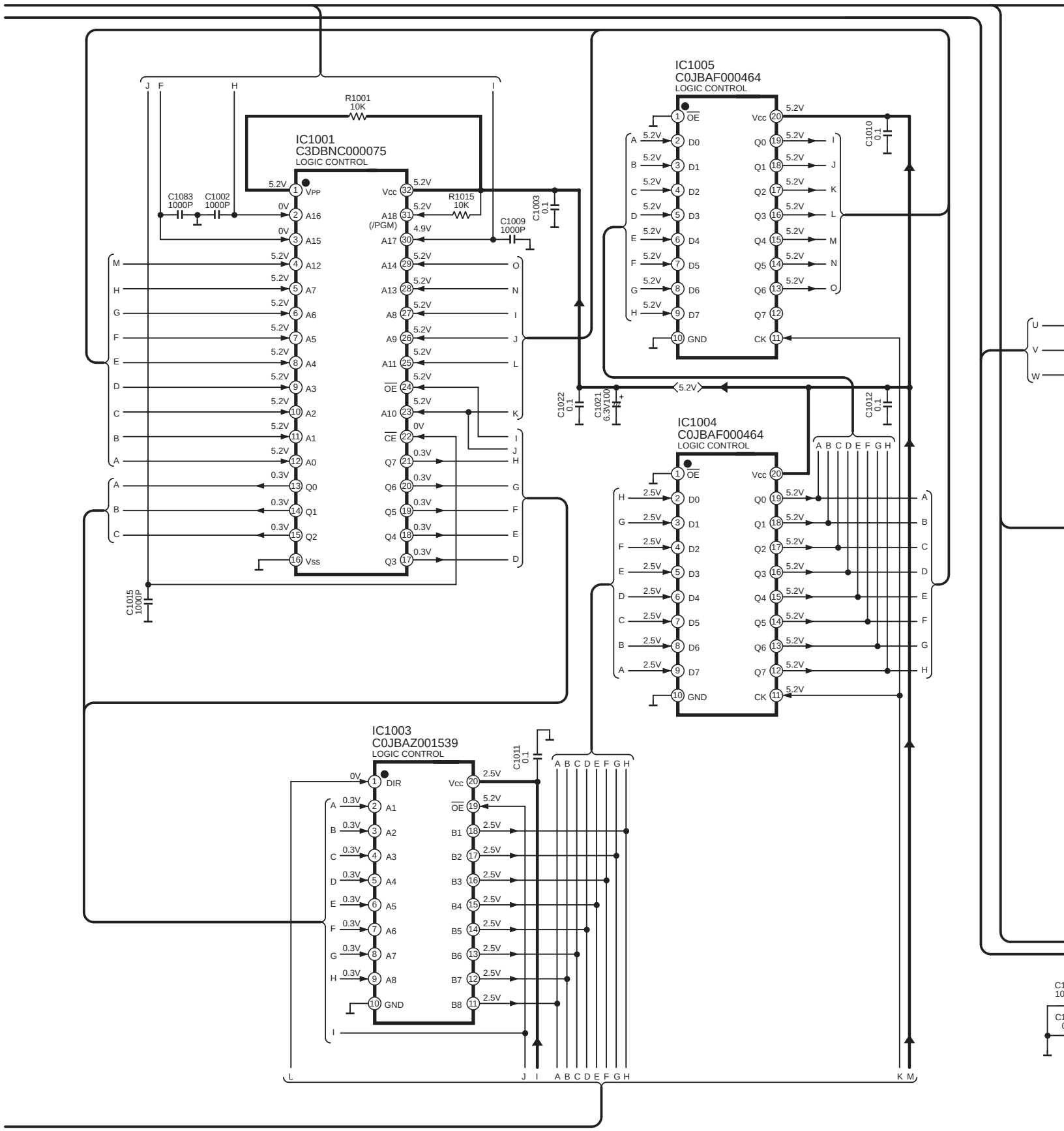
:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :FM/ AM SIGNAL LINE

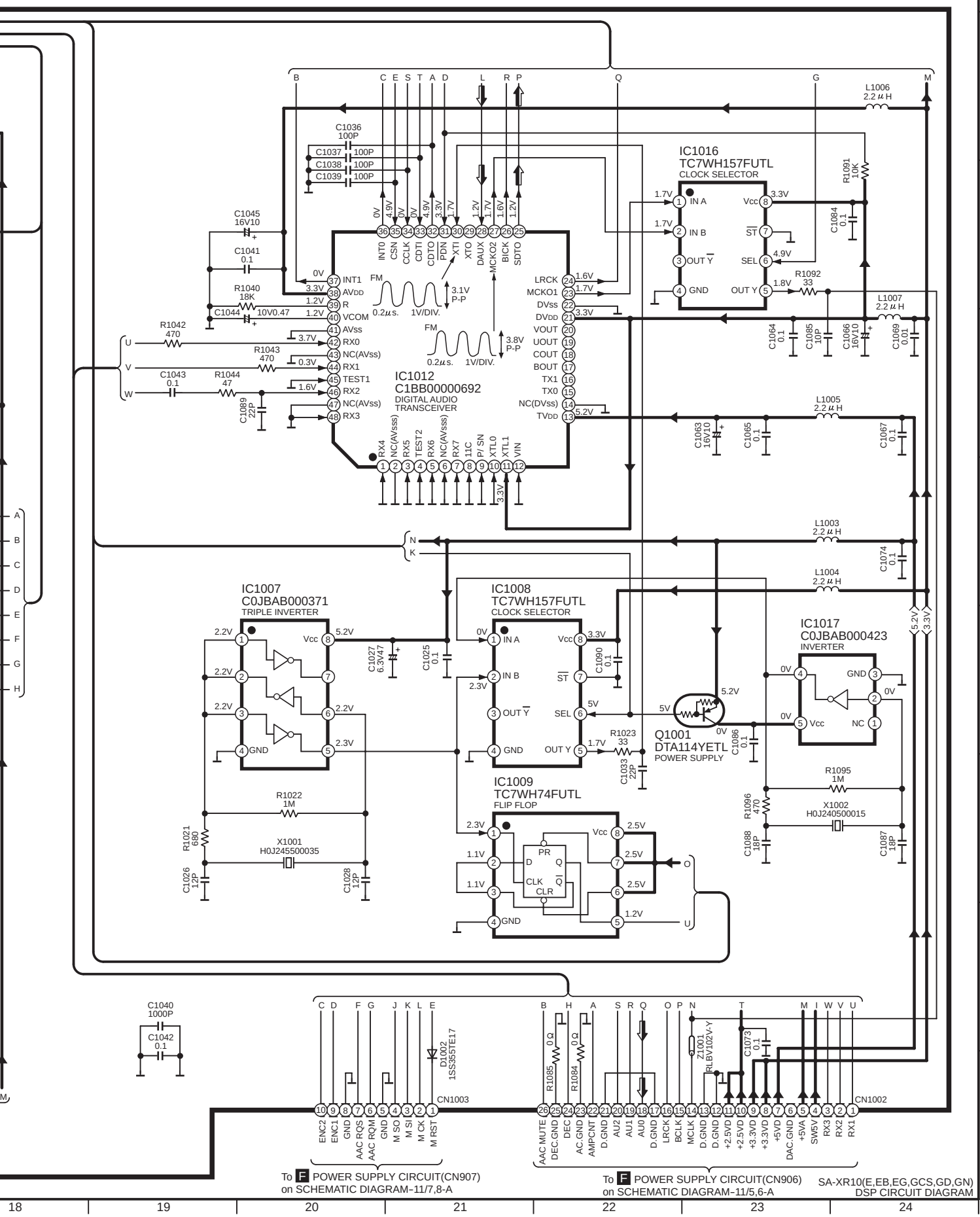


:FM/ AM SIGNAL LINE



SA-XR10(E,EB,EG,GCS,GD,GN) DSP CIRCUIT DIAGRAM


IC1001
C3DBNC000075
LOGIC CONTROL
IC1005
C0JBAF000464
LOGIC CONTROL
IC1004
C0JBAF000464
LOGIC CONTROL
IC1003
C0JBAZ001539
LOGIC CONTROL
R1001 10K
R1015 10K
C1083 1000P
C1002 1000P
C1003 0.1
C1009 1000P
C1010 0.1
C1011 0.1
C1012 0.1
C1015 1000P
C1021 6.3V100
C1022 0.1
5.2V
2.5V
0.3V
0V

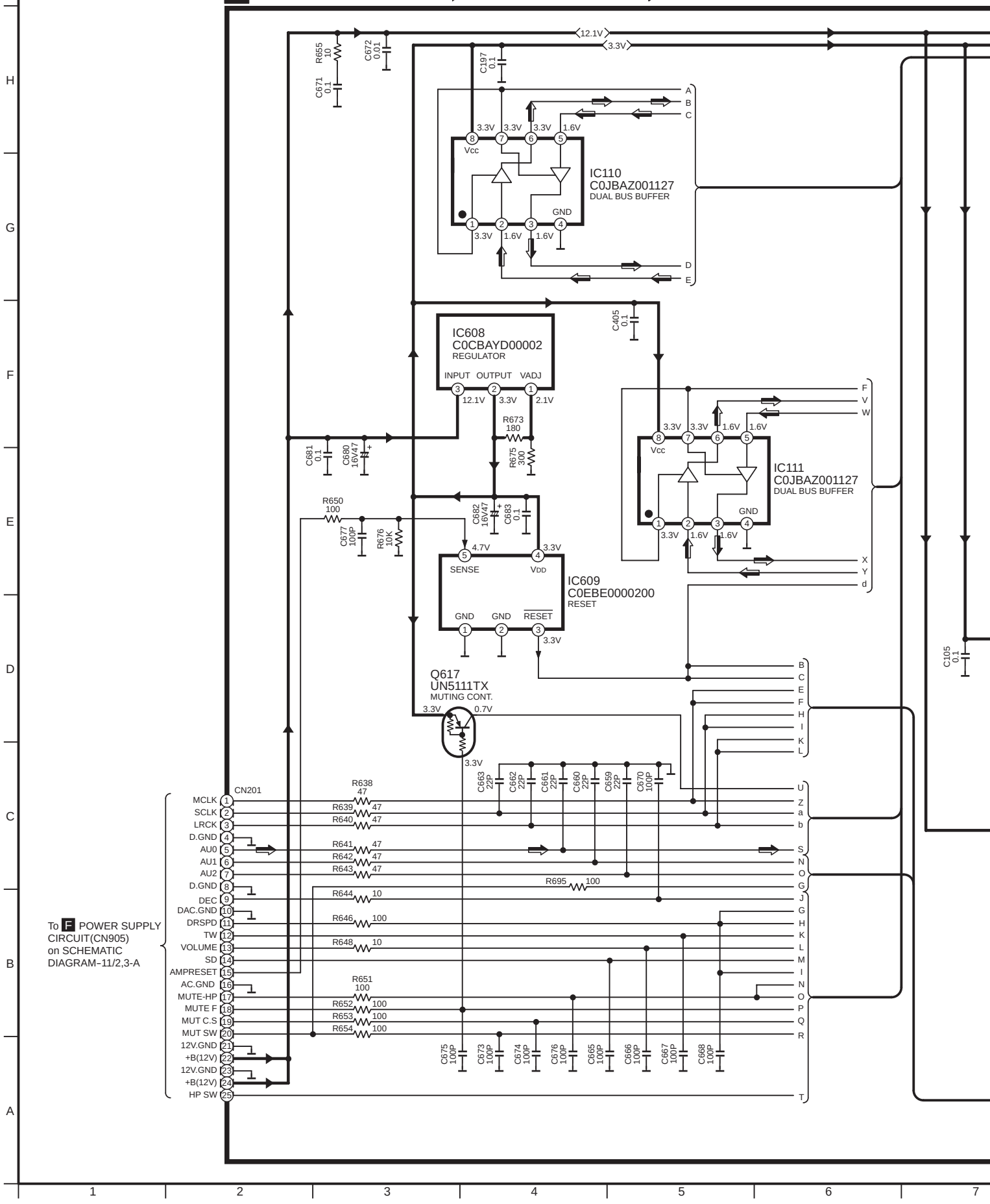


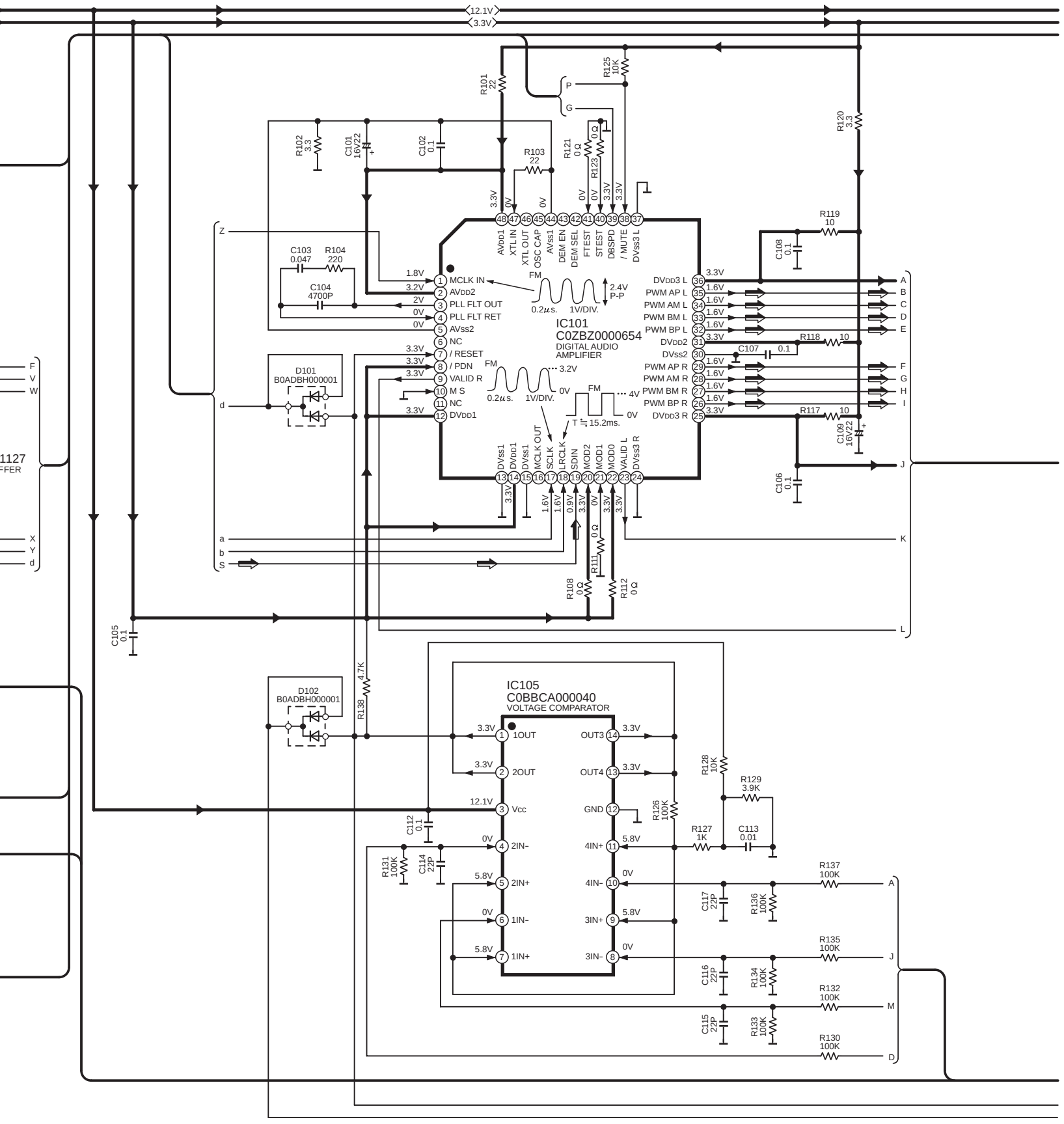
SA-XR10(E,EB,EG,GCS,GD,GN)
DSP CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM-5

D MAIN CIRCUIT

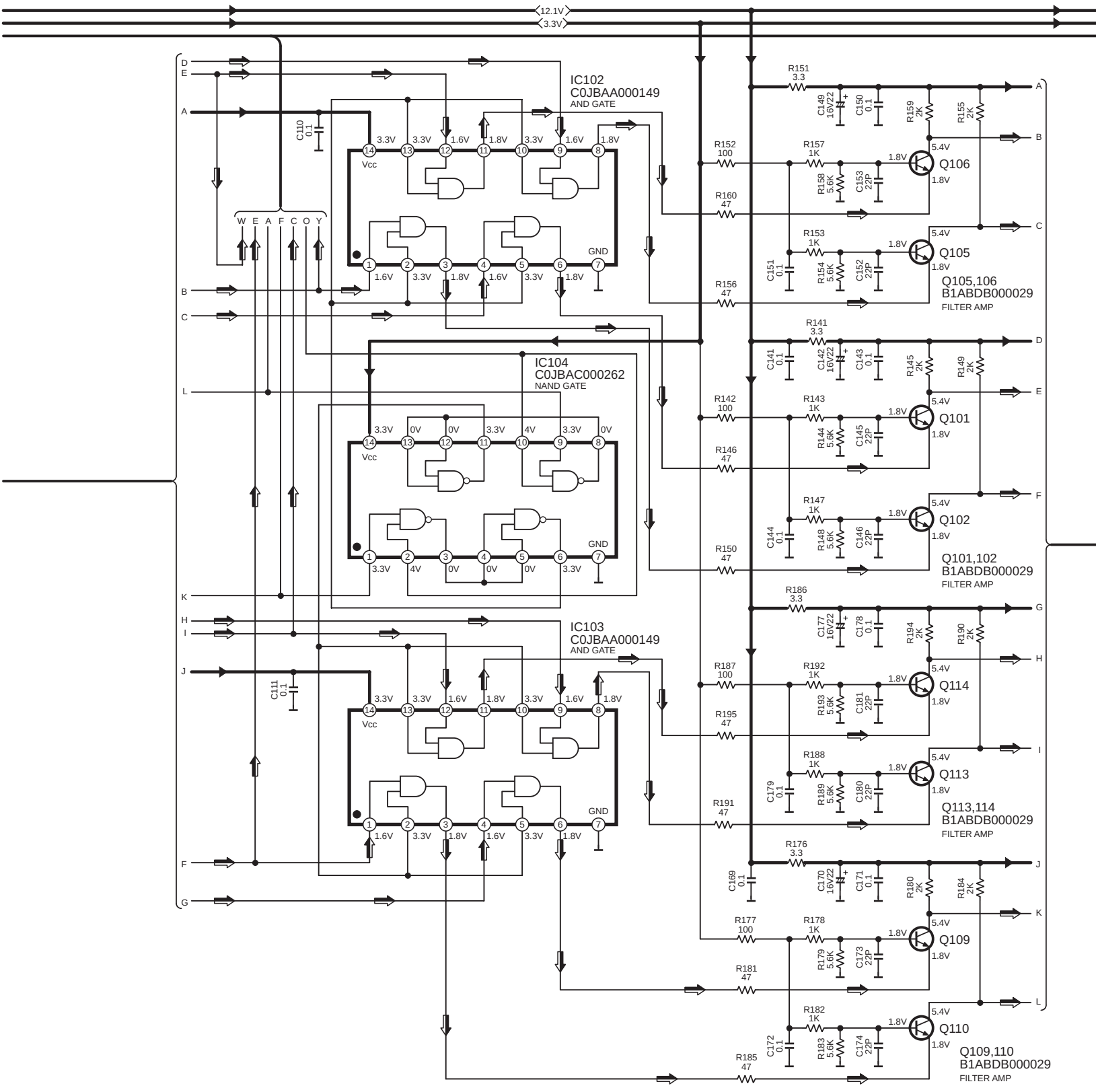
:POSITIVE VOLTAGE LINE :FM/ AM SIGNAL LINE

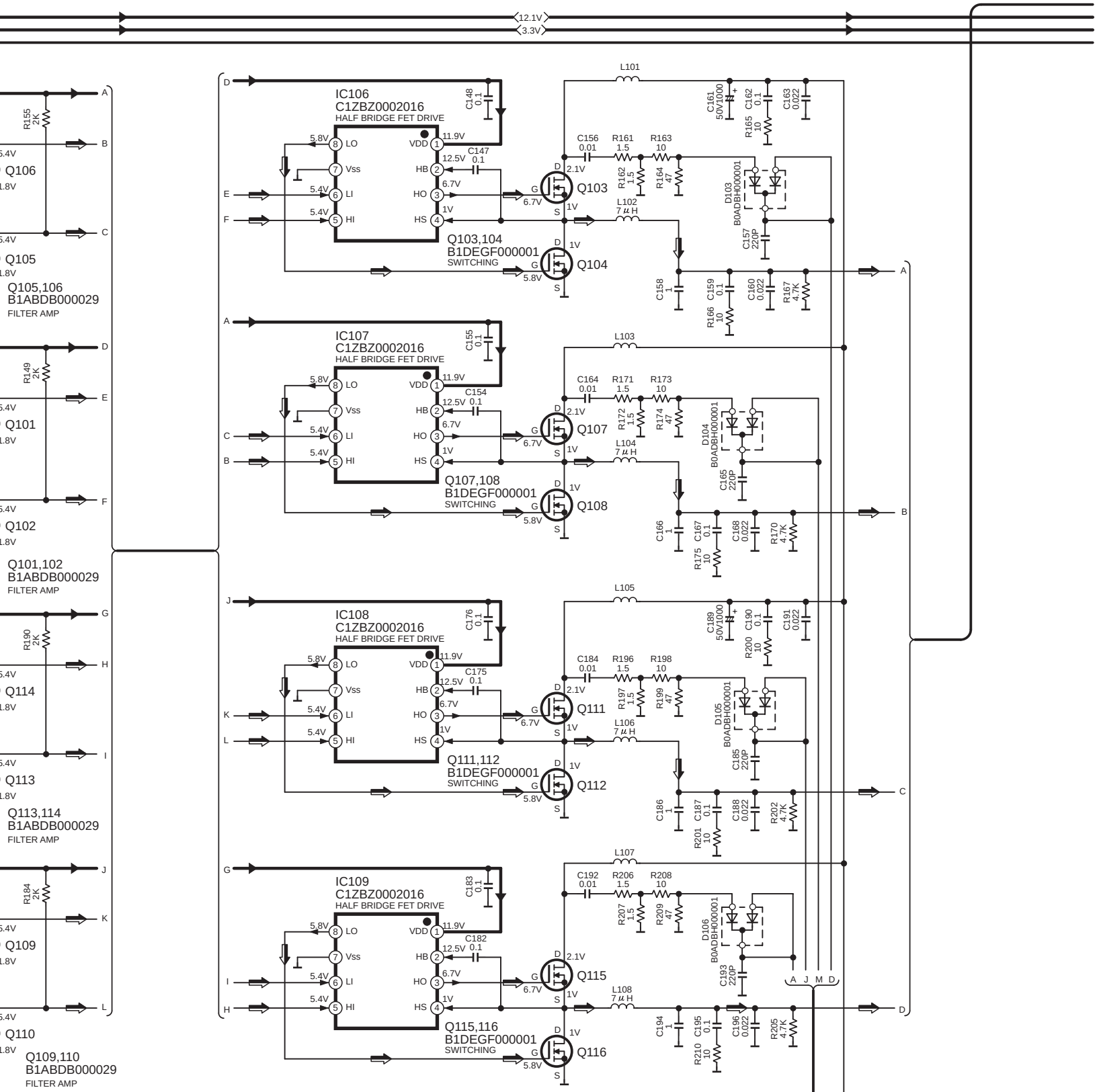



12.1V
3.3V
IC101
C0ZBZ0000654
DIGITAL AUDIO
AMPLIFIER
IC105
C0BBCA000040
VOLTAGE COMPARATOR
D101
B0ADBH000001
D102
B0ADBH000001
MCLK IN
AVDD2
PLL FLT OUT
PLL FLT RET
AVss2
NC
/ RESET
/ PDN
VALID R
M S
NC
DVDD1
DVDD3 L
PWM AP L
PWM AM L
PWM BM L
PWM BP L
DVDD2
DVss2
PWM AP R
PWM AM R
PWM BM R
PWM BP R
DVDD3 R
1OUT
2OUT
Vcc
2IN−
2IN+
1IN−
1IN+
OUT3
OUT4
GND
4IN+
4IN−
3IN+
3IN−
R101 22
R102 3.3
R103 22
R104 220
R105 10K
R106 3.3
R107 10
R108 0Ω
R109 16V22
R110 0Ω
R111 0Ω
R112 0Ω
R117 10
R118 10
R119 10
R120 3.3
R121 0Ω
R123 0Ω
R125 10K
R126 100K
R127 1K
R128 10K
R129 3.9K
R130 100K
R131 100K
R132 100K
R133 100K
R134 100K
R135 100K
R136 100K
R137 100K
R138 4.7K
C101 16V22
C102 0.1
C103 0.047
C104 4700P
C105 0.1
C106 0.1
C107 0.1
C108 0.1
C109 16V22
C112 0.1
C113 0.01
C114 22P
C115 22P
C116 22P
C117 22P

SCHEMATIC DIAGRAM-6 D MAIN CIRCUIT

:POSITIVE VOLTAGE LINE :FM/ AM SIGNAL LINE

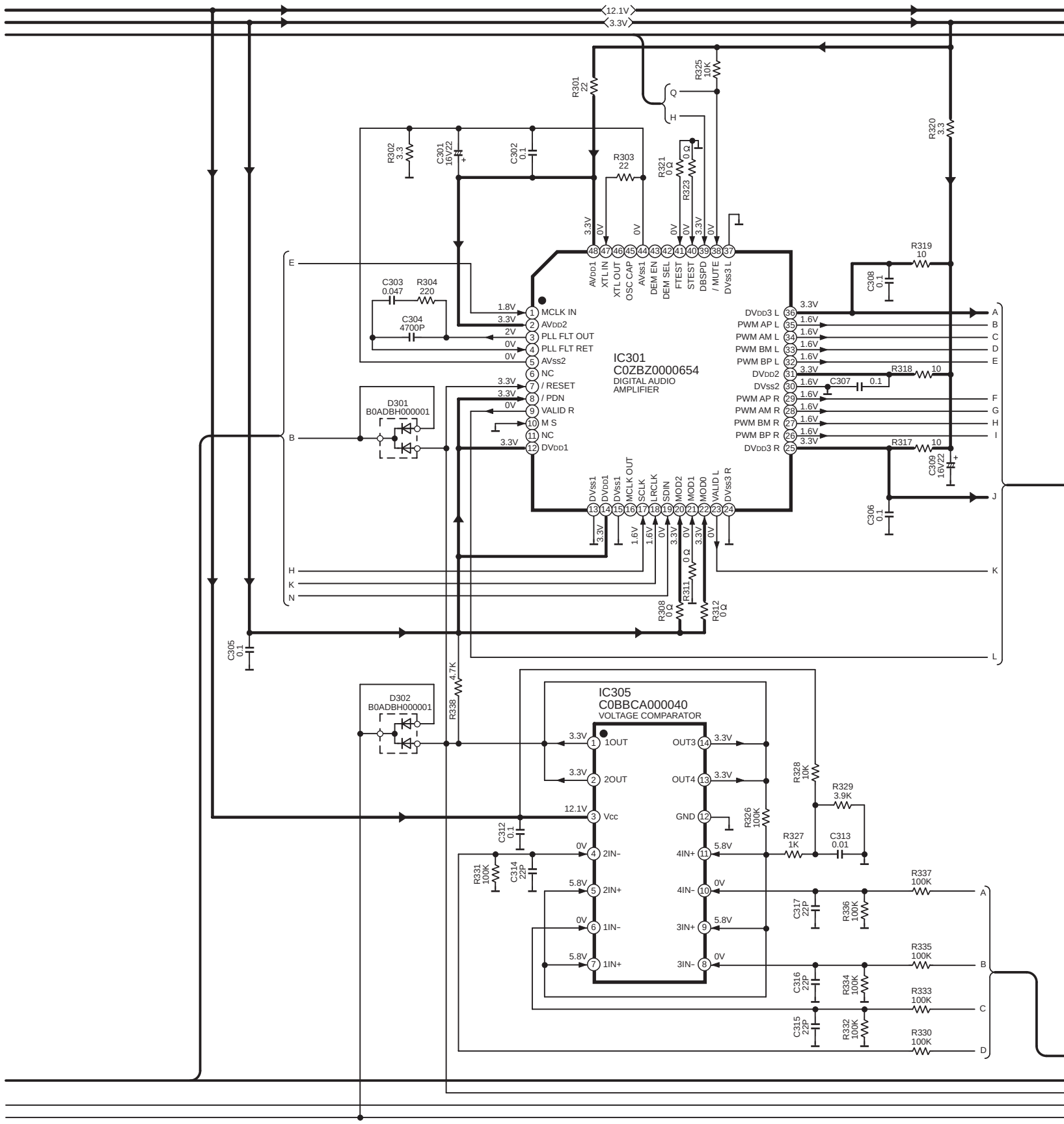


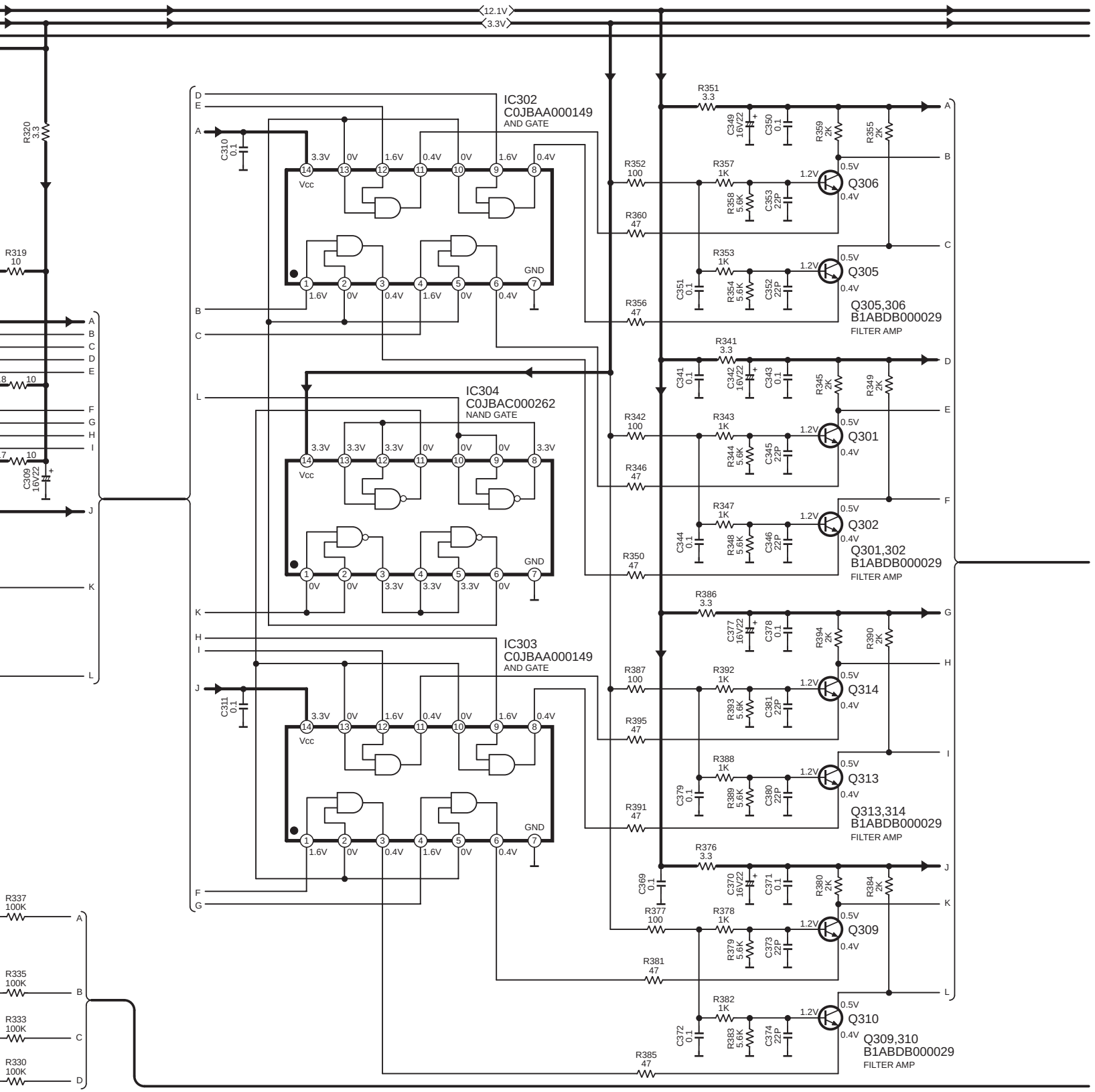

12.1V
3.3V
IC106
C1ZBZ0002016
HALF BRIDGE FET DRIVE
Q103,104
B1DEGF000001
SWITCHING
Q103
Q104
IC107
C1ZBZ0002016
HALF BRIDGE FET DRIVE
Q107,108
B1DEGF000001
SWITCHING
Q107
Q108
IC108
C1ZBZ0002016
HALF BRIDGE FET DRIVE
Q111,112
B1DEGF000001
SWITCHING
Q111
Q112
IC109
C1ZBZ0002016
HALF BRIDGE FET DRIVE
Q115,116
B1DEGF000001
SWITCHING
Q115
Q116
LO
Vss
LI
HI
VDD
HB
HO
HS
Q105,106
B1ABDB000029
FILTER AMP
Q101,102
B1ABDB000029
FILTER AMP
Q113,114
B1ABDB000029
FILTER AMP
Q109,110
B1ABDB000029
FILTER AMP

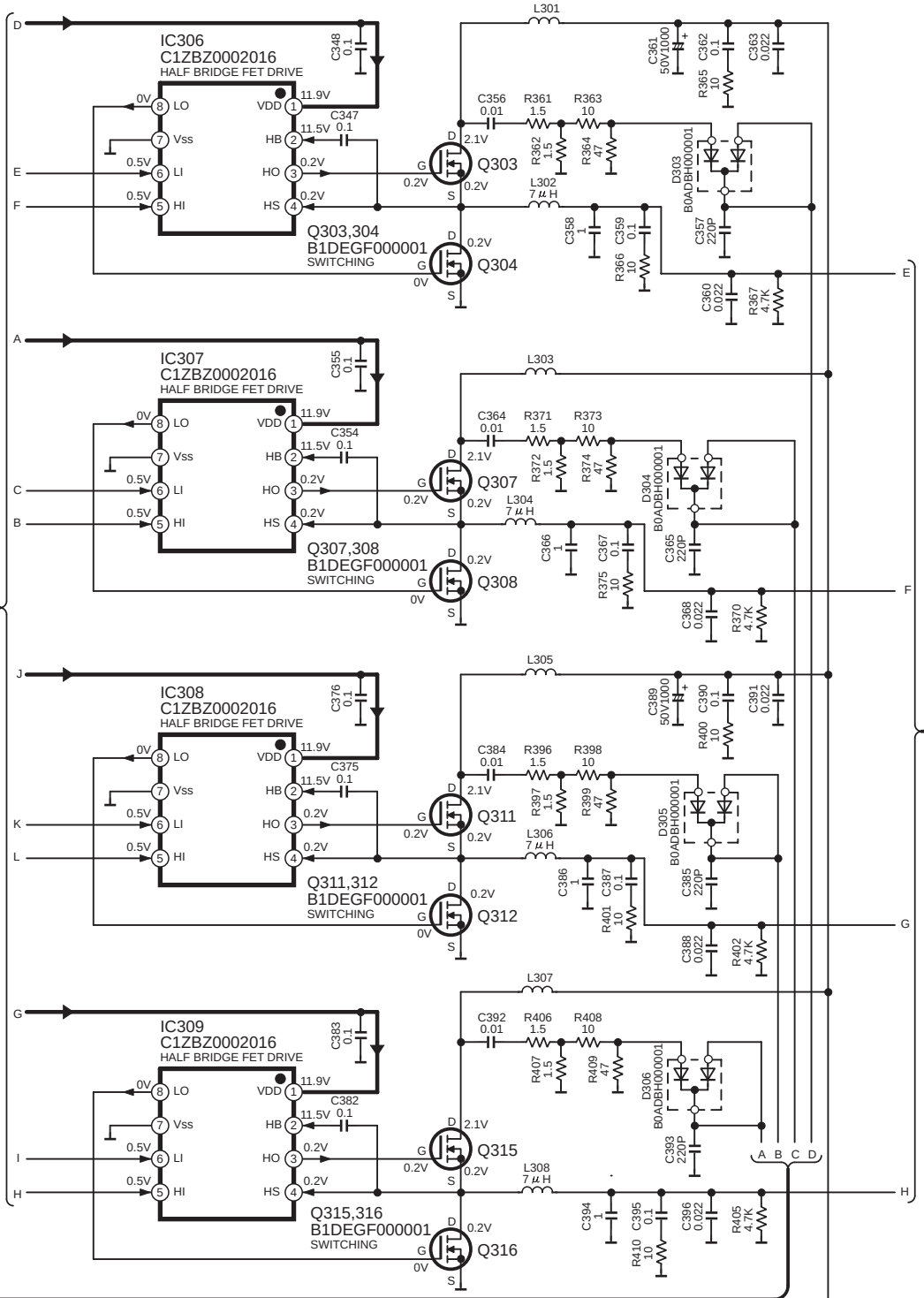
SCHEMATIC DIAGRAM-7

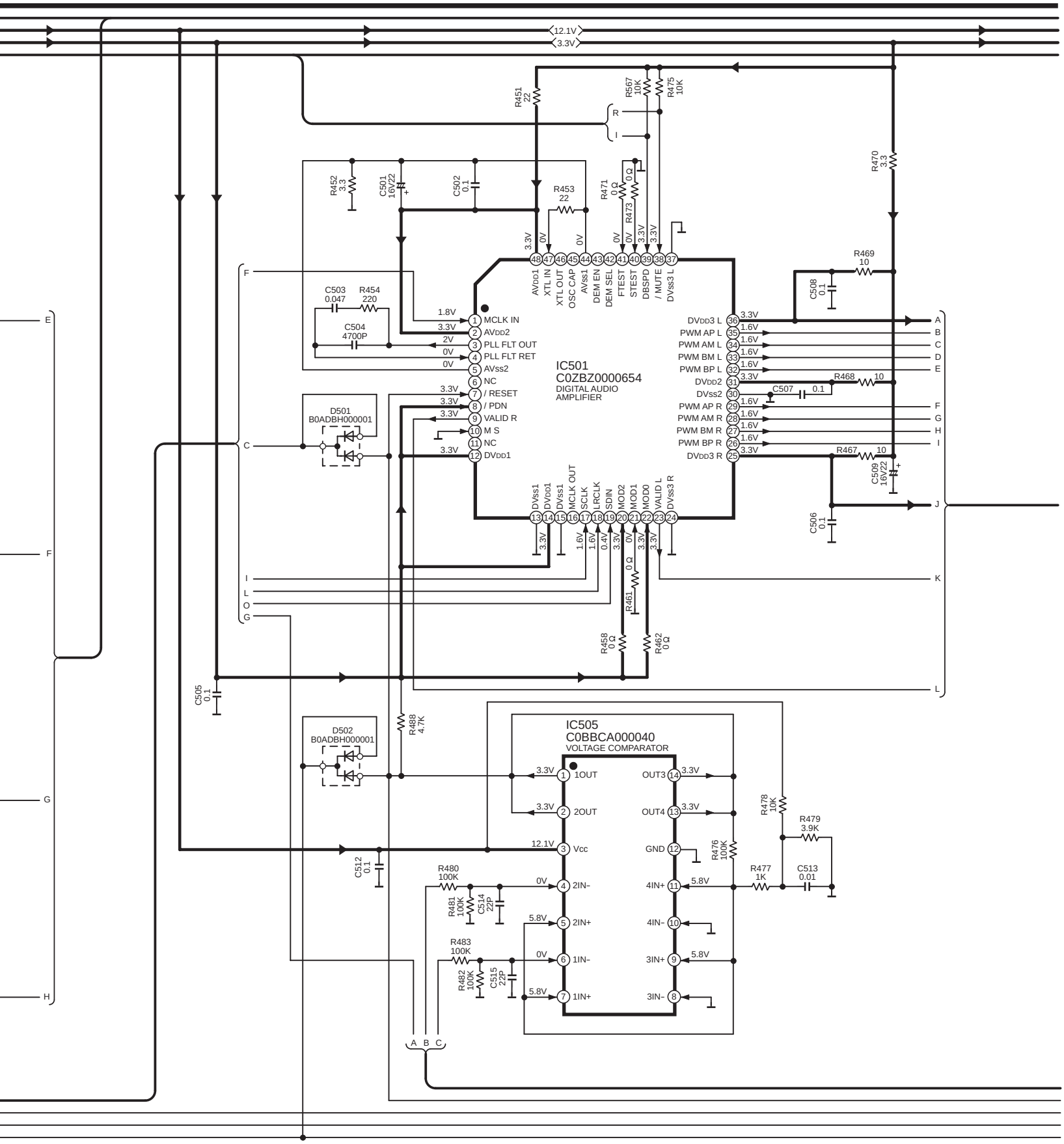
D MAIN CIRCUIT

:POSITIVE VOLTAGE LINE

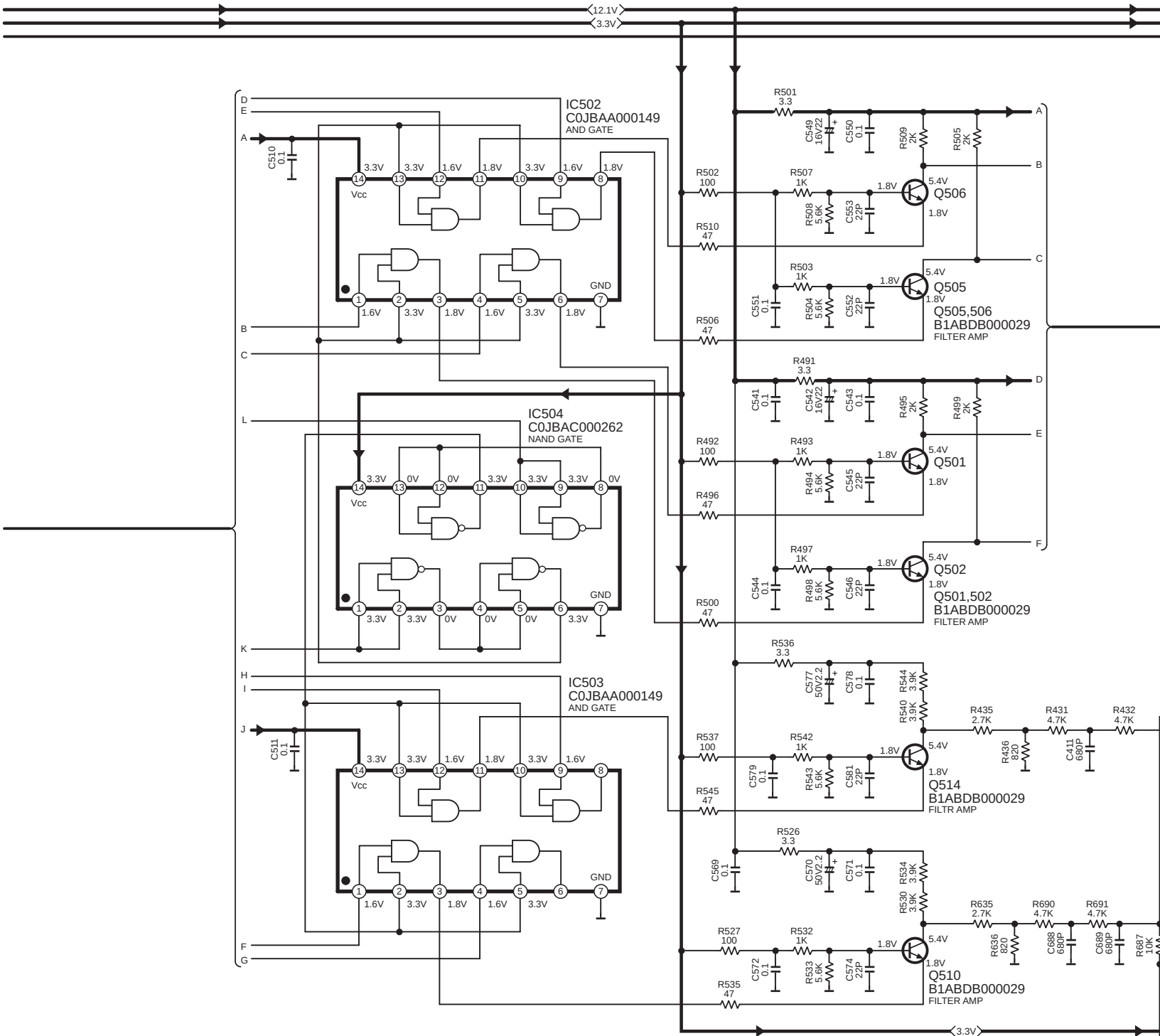


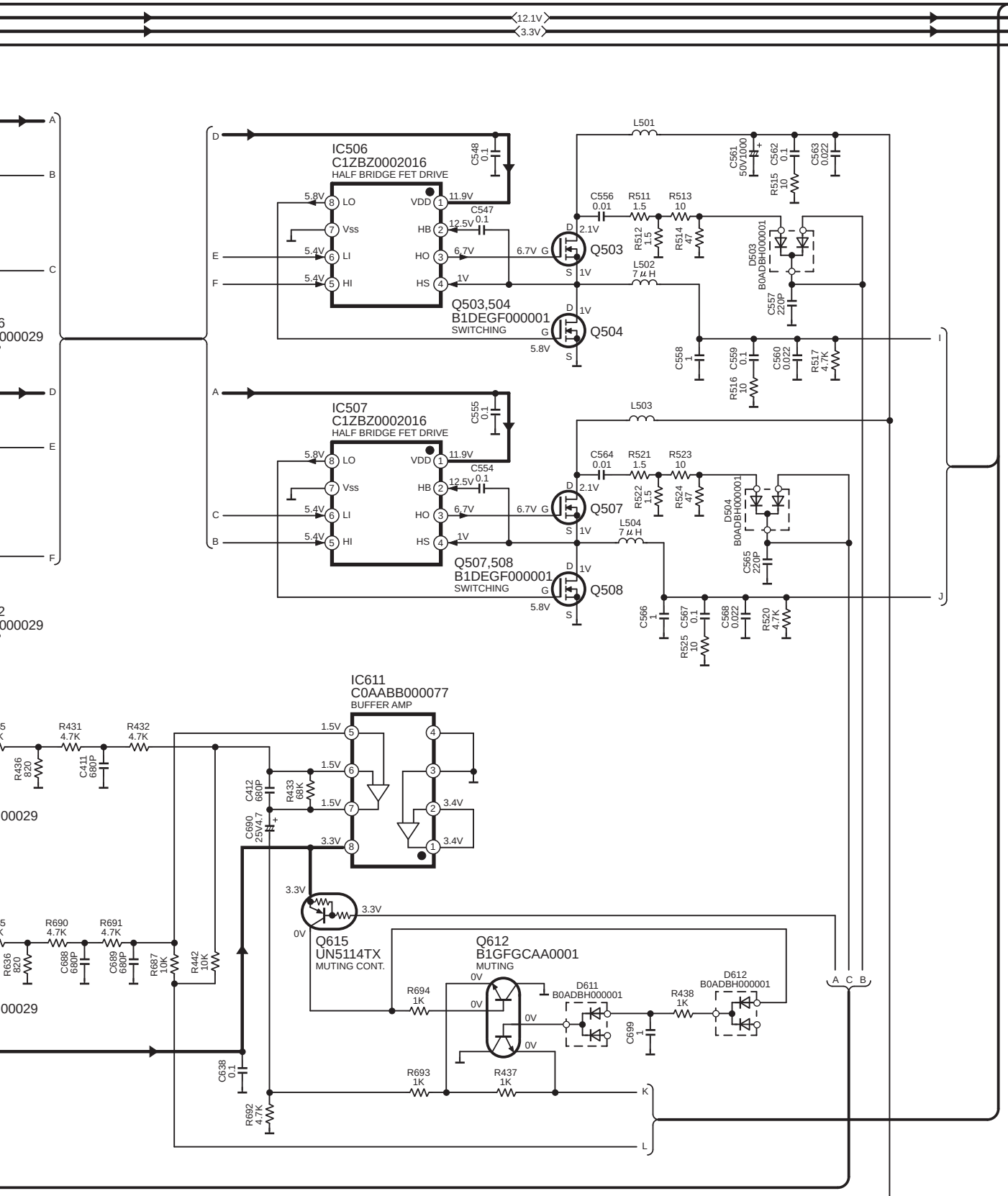

12.1V
3.3V
IC302
C0JBAA000149
AND GATE
IC304
C0JBAC000262
NAND GATE
IC303
C0JBAA000149
AND GATE
Vcc
GND
Q306
Q305
Q305,306
B1ABDB000029
FILTER AMP
Q301
Q302
Q301,302
B1ABDB000029
FILTER AMP
Q314
Q313
Q313,314
B1ABDB000029
FILTER AMP
Q309
Q310
Q309,310
B1ABDB000029
FILTER AMP


12.1V
3.3V
IC306
C1ZBZ0002016
HALF BRIDGE FET DRIVE
Q303,304
B1DEGF000001
SWITCHING
Q303
Q304
IC307
C1ZBZ0002016
HALF BRIDGE FET DRIVE
Q307,308
B1DEGF000001
SWITCHING
Q307
Q308
IC308
C1ZBZ0002016
HALF BRIDGE FET DRIVE
Q311,312
B1DEGF000001
SWITCHING
Q311
Q312
IC309
C1ZBZ0002016
HALF BRIDGE FET DRIVE
Q315,316
B1DEGF000001
SWITCHING
Q315
Q316
L301
L302
L303
L304
L305
L306
L307
L308
D303 B0ADBH000001
D304 B0ADBH000001
D305 B0ADBH000001
D306 B0ADBH000001
A B C D


12.1V
3.3V
IC501
C0ZBZ0000654
DIGITAL AUDIO
AMPLIFIER
IC505
C0BBCA000040
VOLTAGE COMPARATOR
D501
B0ADBH000001
D502
B0ADBH000001
MCLK IN
AVDD2
PLL FLT OUT
PLL FLT RET
AVss2
NC
/ RESET
/ PDN
VALID R
M S
NC
DVDD1
DVss1
DVDD1
DVss1
MCLK OUT
SCLK
LRCLK
SDIN
MOD2
MOD1
MOD0
VALID L
DVss3 R
DVDD3 L
PWM AP L
PWM AM L
PWM BM L
PWM BP L
DVDD2
DVss2
PWM AP R
PWM AM R
PWM BM R
PWM BP R
DVDD3 R
AVDD1
XTL IN
XTL OUT
OSC CAP
AVss1
DEM EN
DEM SEL
FTEST
STEST
DBSPD
/ MUTE
DVss3 L
1OUT
2OUT
Vcc
2IN-
2IN+
1IN-
1IN+
OUT3
OUT4
GND
4IN+
4IN-
3IN+
3IN-
R451 22
R452 3.3
C501 16V22
C502 0.1
R453 22
R471 0Ω
R473 0Ω
R567 10K
R475 10K
R470 3.3
R469 10
C508 0.1
R468 10
C507 0.1
R467 10
C509 16V22
C506 0.1
C503 0.047
R454 220
C504 4700P
R461 0Ω
R458 0Ω
R462 0Ω
C505 0.1
R488 4.7K
C512 0.1
R480 100K
R481 100K
C514 22P
R483 100K
R482 100K
C515 22P
R478 10K
R479 3.9K
R476 100K
R477 1K
C513 0.01

SCHEMATIC DIAGRAM-9 D MAIN CIRCUIT :POSITIVE VOLTAGE LINE

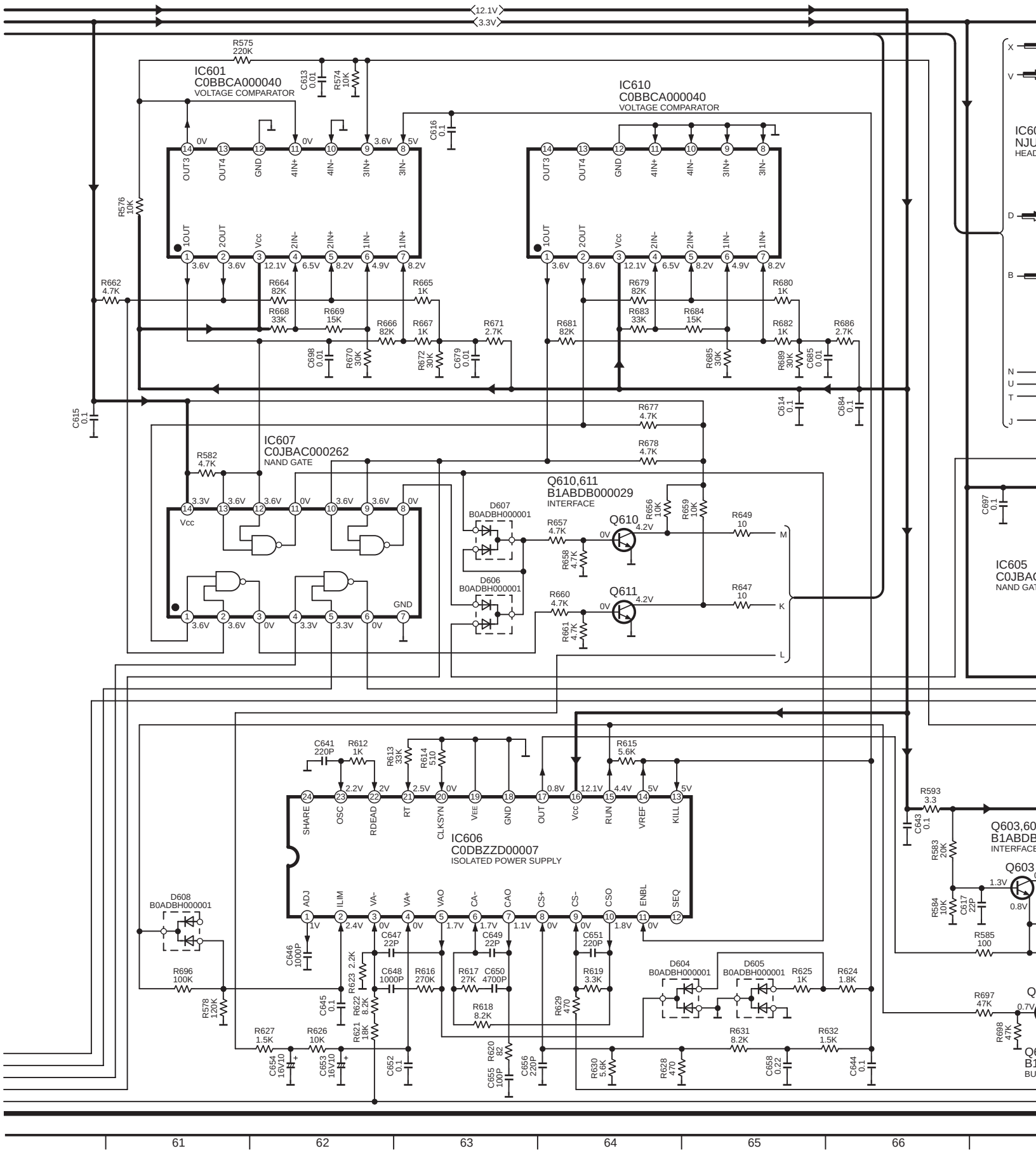



12.1V
3.3V
IC506
C1ZBZ0002016
HALF BRIDGE FET DRIVE
IC507
C1ZBZ0002016
HALF BRIDGE FET DRIVE
Q503,504
B1DEGF000001
SWITCHING
Q507,508
B1DEGF000001
SWITCHING
Q503
Q504
Q507
Q508
L501
L502 7 μH
L503
L504 7 μH
IC611
C0AABB000077
BUFFER AMP
Q615
UN5114TX
MUTING CONT.
Q612
B1GFGCAA0001
MUTING
D503 B0ADBH000001
D504 B0ADBH000001
D611 B0ADBH000001
D612 B0ADBH000001

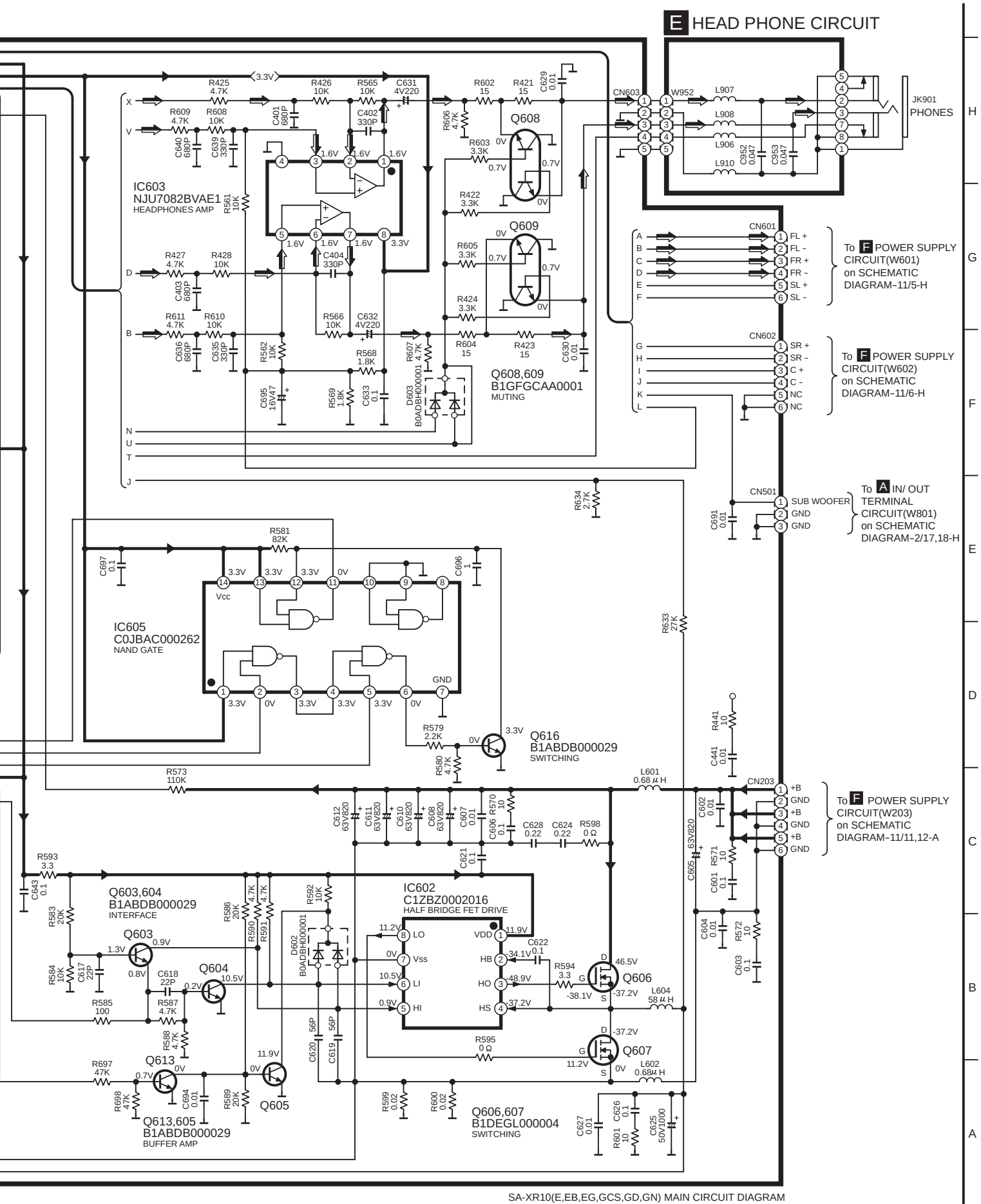
SCHEMATIC DIAGRAM-10

D MAIN CIRCUIT

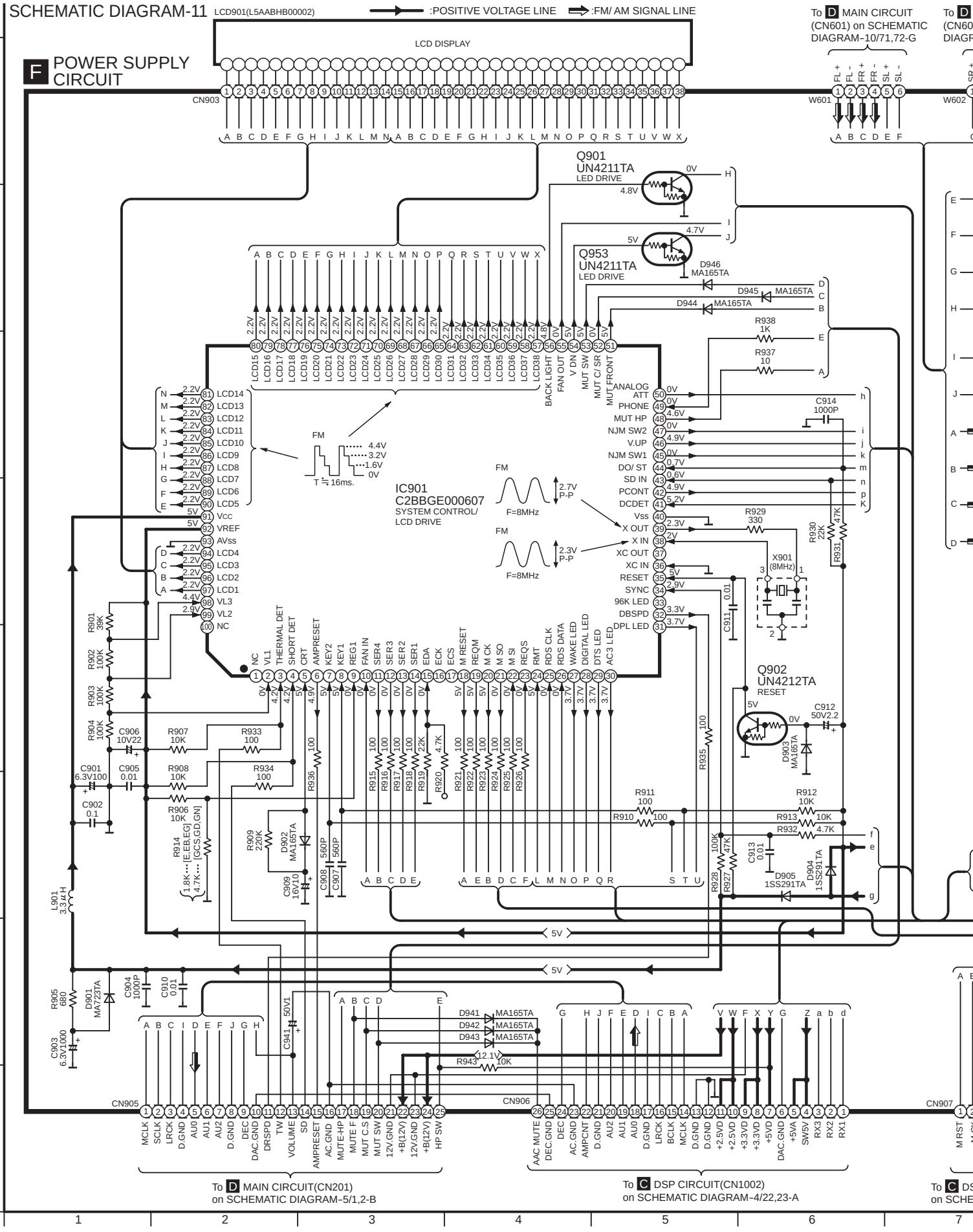
:POSITIVE VOLTAGE LINE :FM/ AM SIGNAL LINE

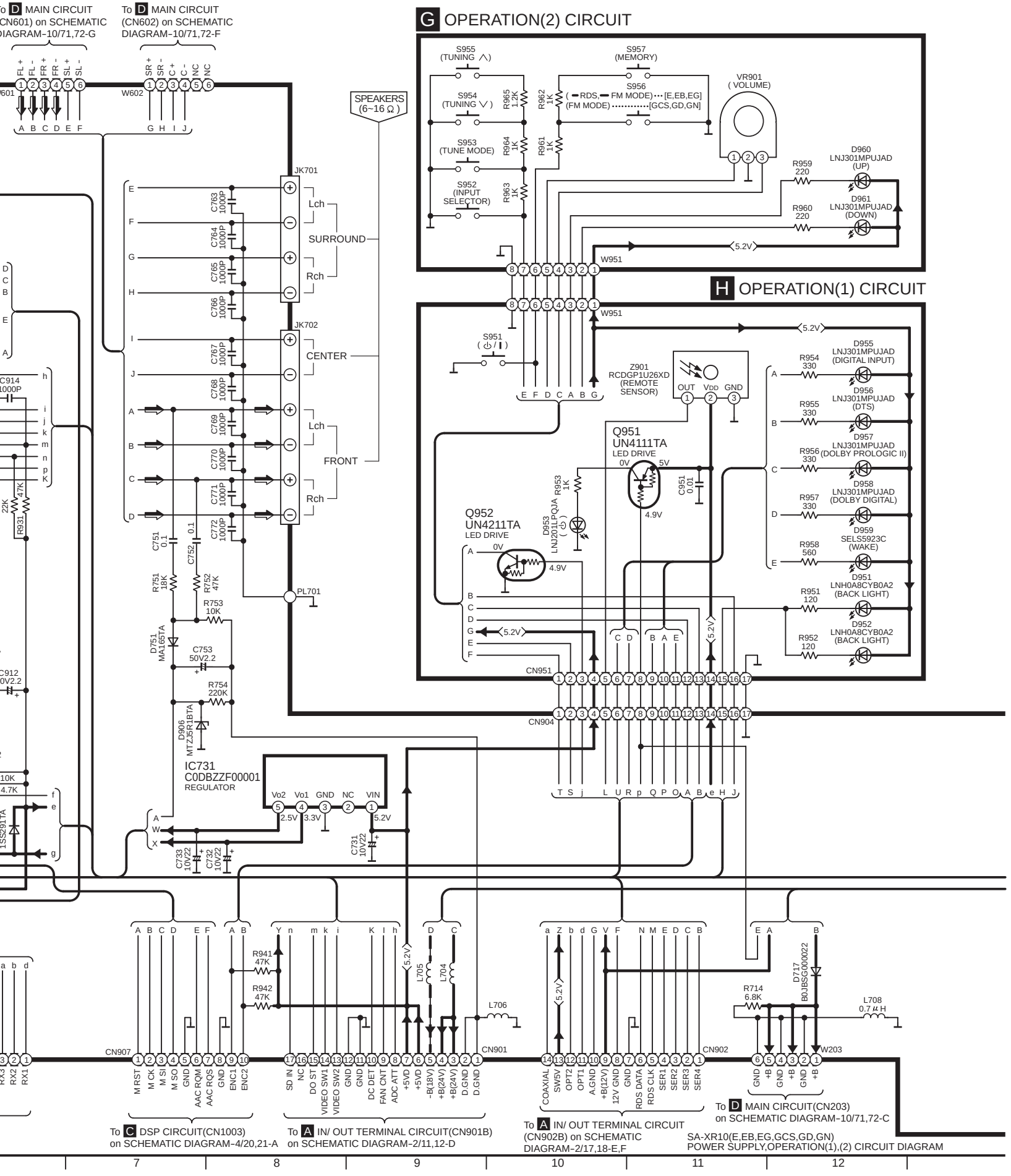


61	62	63	64	65	66



SA-XR10(E,EB,EG,GCS,GD,GN) MAIN CIRCUIT DIAGRAM


SCHEMATIC DIAGRAM-11
LCD901(L5AABHB00002)
:POSITIVE VOLTAGE LINE
:FM/ AM SIGNAL LINE
F POWER SUPPLY CIRCUIT
LCD DISPLAY
CN903
To D MAIN CIRCUIT (CN601) on SCHEMATIC DIAGRAM–10/71,72-G
W601
W602
Q901 UN4211TA LED DRIVE
Q953 UN4211TA LED DRIVE
D946 MA165TA
D945 MA165TA
D944 MA165TA
R938 1K
R937 10
IC901 C2BBGE000607 SYSTEM CONTROL/ LCD DRIVE
FM
4.4V
3.2V
1.6V
0V
T ≒ 16ms.
F=8MHz
2.7V P-P
2.3V P-P
X901 (8MHz)
Q902 UN4212TA RESET
D903 MA165TA
D902 MA165TA
D904 1SS291TA
D905 1SS291TA
D901 MA723TA
D941 MA165TA
D942 MA165TA
D943 MA165TA
C914 1000P
C906 10V22
C901 6.3V100
C905 0.01
C902 0.1
C904 1000P
C910 0.01
C903 6.3V1000
C941 50V1
C908 560P
C907 560P
C909 16V10
C911 0.01
C912 50V2.2
C913 0.01
L901 3.3μH
R901 39K
R902 100K
R903 100K
R904 100K
R905 680
R906 10K
R907 10K
R908 10K
R909 220K
R910 100
R911 100
R912 10K
R913 10K
R914 [E,EB,EG] 1.8K [GCS,GD,GN] 4.7K
R915 R916 R917 R918 R919 R920 R921 R922 R923 R924 R925 R926 100
R927 47K
R928 100K
R929 330
R930 22K
R931 47K
R932 4.7K
R933 100
R934 100
R935 100
R936 100
R943 10K
12.1V
5V
3.3V
3.7V
4.9V
4.8V
4.7V
4.6V
4.2V
2.9V
2.3V
2.2V
0.7V
0.6V
0V
CN905
CN906
CN907
To D MAIN CIRCUIT(CN201) on SCHEMATIC DIAGRAM–5/1,2-B
To C DSP CIRCUIT(CN1002) on SCHEMATIC DIAGRAM–4/22,23-A
To C DS on SCHE

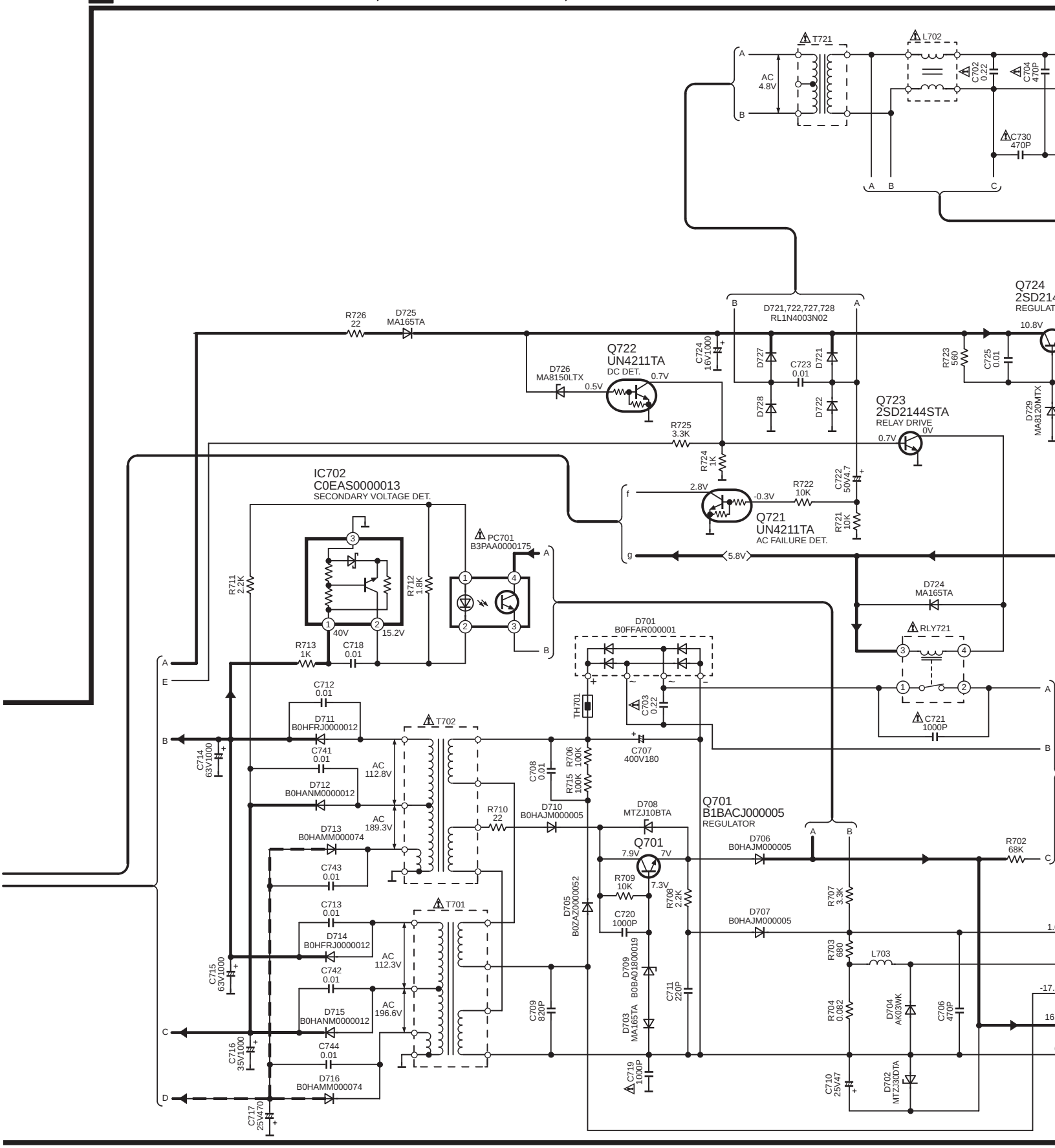


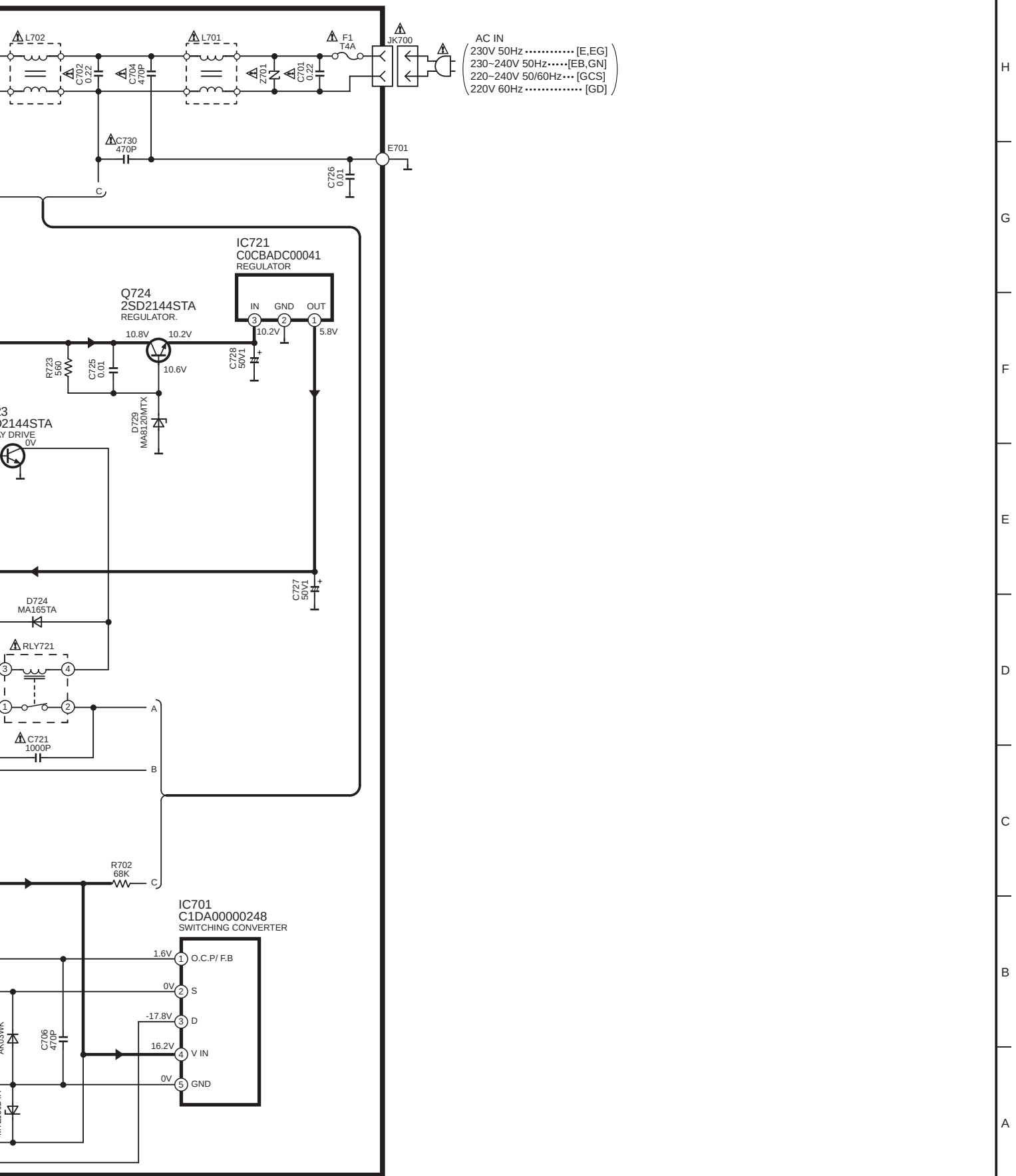
SA-XR10(E,EB,EG,GCS,GD,GN)
POWER SUPPLY,OPERATION(1),(2) CIRCUIT DIAGRAM

SCHEMATIC DIAGRAM-12

F POWER SUPPLY CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE



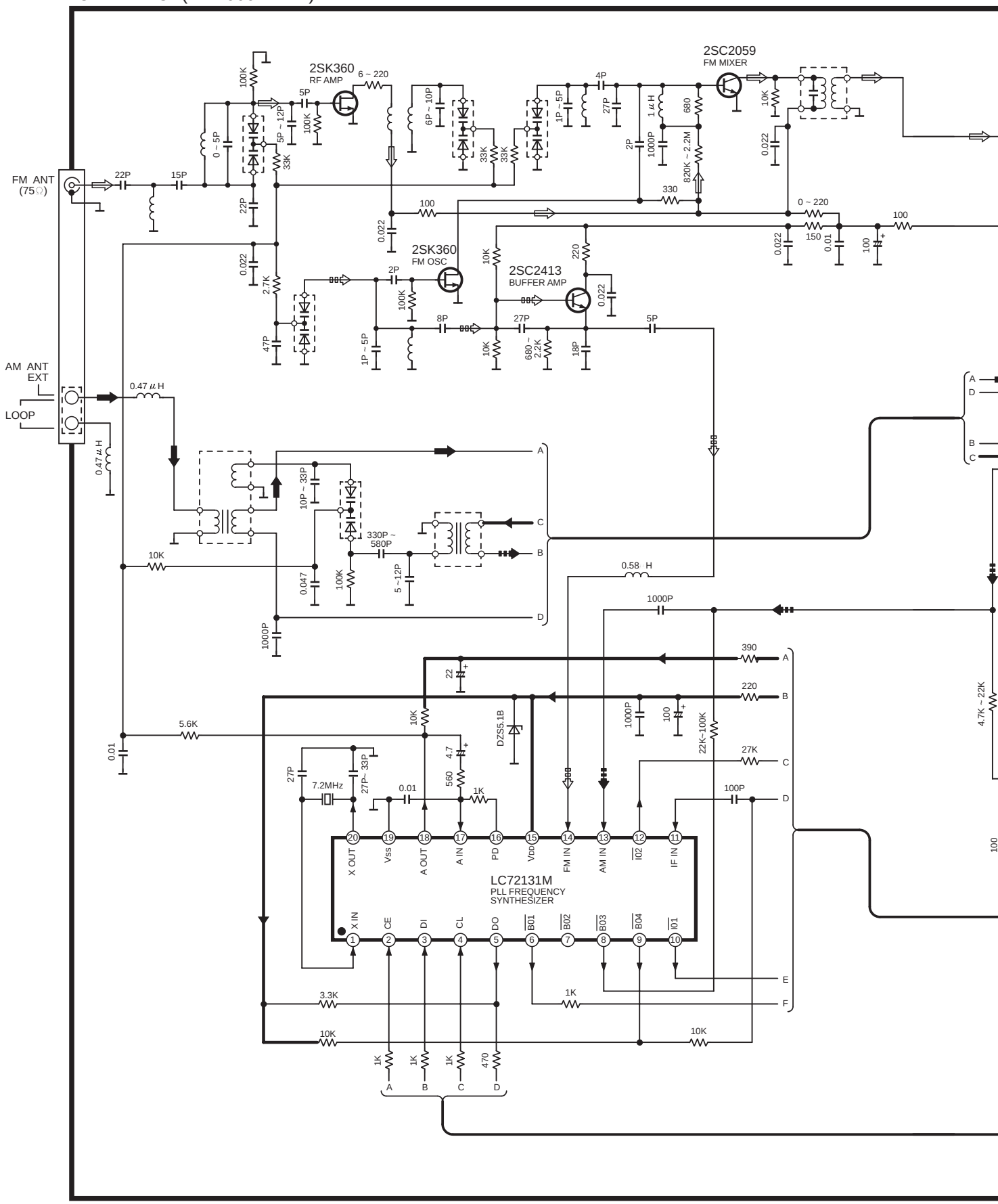


SA-XR10(E,EB,EG,GCS,GD,GN) POWER SUPPLY CIRCUIT DIAGRAM

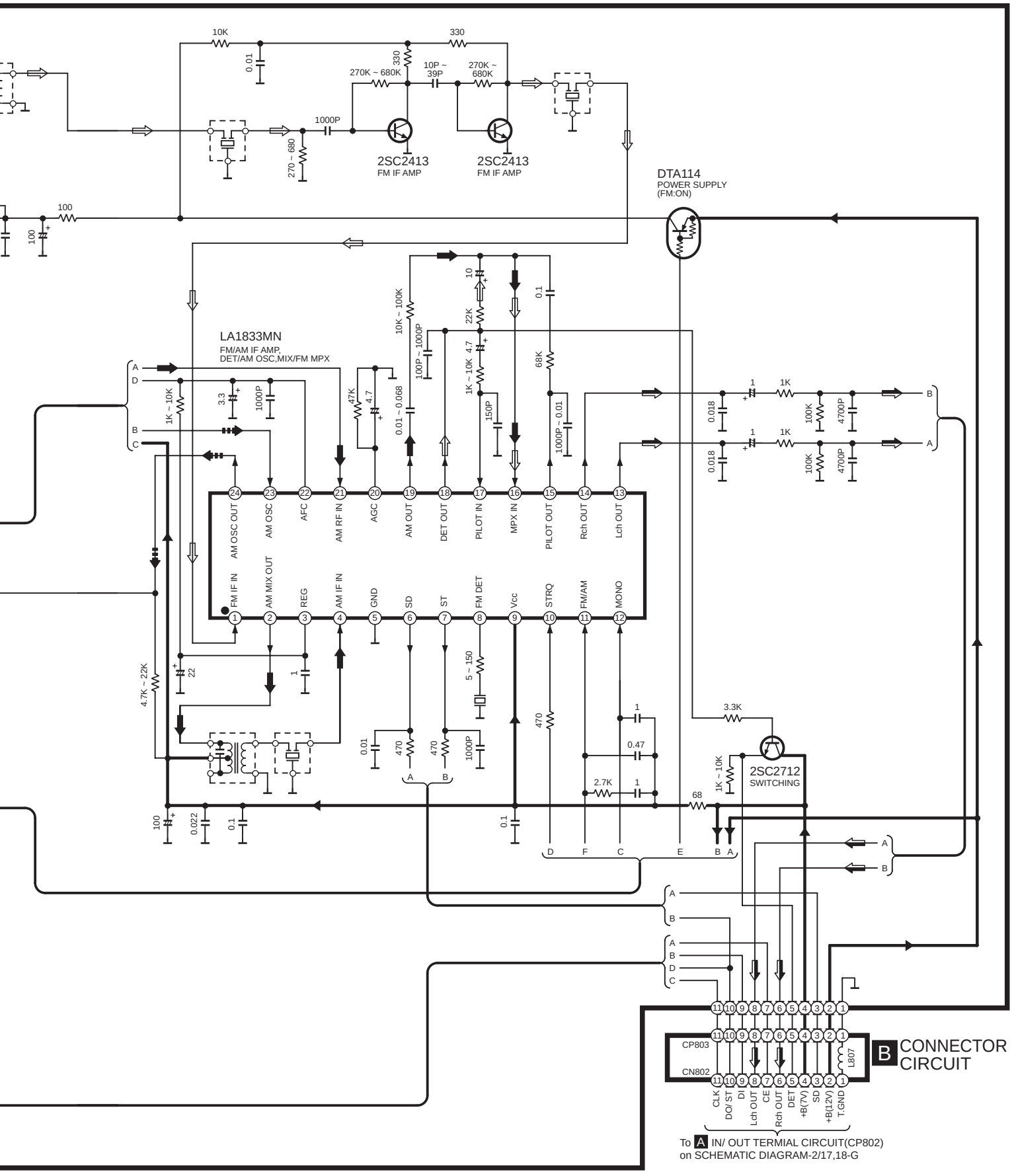
SCHEMATIC DIAGRAM-13

TUNER PACK(RAN0002EM-1)

:POSITIVE VOLTAGE LINE :FM SIGNAL LINE :AM SIGNAL LINE :FM OSC SIGNAL LINE

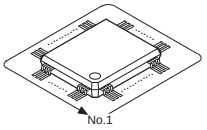


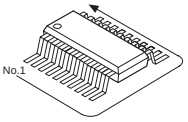
:FM OSC SIGNAL LINE :AM OSC SIGNAL LINE :FM/ AM SIGNAL LINE



SA-XR10(E,EB,EG,GCS,GD,GN) TUNER PACK CIRCUIT DIAGRAM

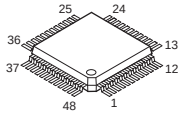
C2BBFE000123	80PIN
C2BBGE000607	100PIN



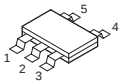


C1BB00000672	28PIN	TC7WH74FUTL	8PIN	C3DBNC000075	32PIN
C0JBAZ001437	20PIN	C0JBAB000371	8PIN	TC7WH157FUTL	8PIN
C0JBAZ001003	20PIN	C0JBAZ001127	8PIN	NJU7082BVAE1	8PIN
C0JBAF000464	20PIN	C0BBCA000040	14PIN	NJU7313AMT2	30PIN
C0JBAZ001539	20PIN	C0JBAA000149	14PIN	NJM2279MT2	14PIN
C0AABB000077	8PIN	C0JBAC000262	14PIN	NJM4580EDTE1	8PIN
C1BB00000527	16PIN	C1ZBZ0002016	8PIN	NJM2115MTE1	8PIN

C1BB00000692
C0ZBZ0000654



C0JBAB000423
C0EBE0000200



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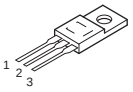
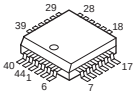


C2HBZJ000001



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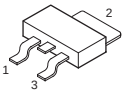

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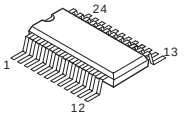

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C0CBADC00042
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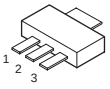
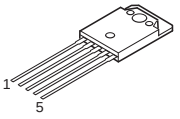


C1DA00000248



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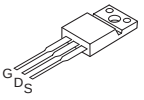

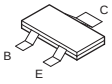

B1ABDB000029
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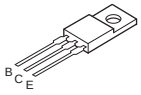
UN5111TX
UN5114TX
UNR211500L
UN2215TX
UN2211TX
2SA1037AKSTX
2SC2412KT96R

B1BACJ000005



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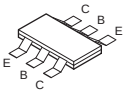

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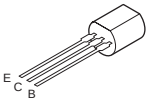
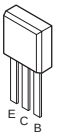
2SD592AQRSTA



UN4211TA
UN4212TA
UN4111TA



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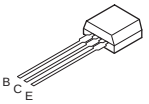
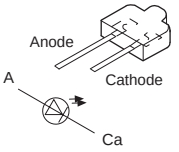


SELS5923C



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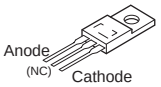

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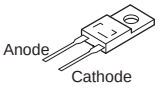

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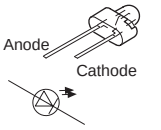
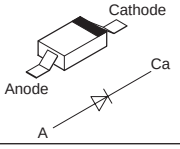
LNJ201LPQJA



1SS355TE17
MA111TX
SFPB-72V



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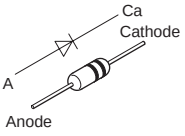

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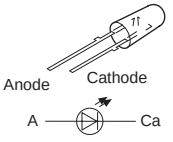

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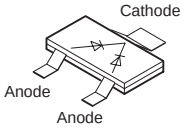

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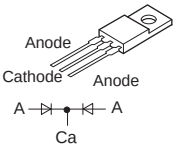

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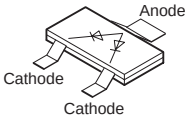

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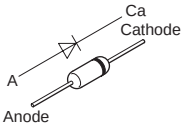

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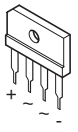

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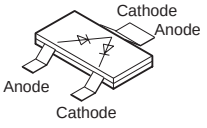

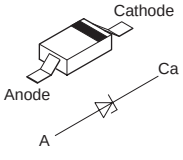

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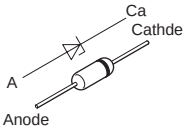

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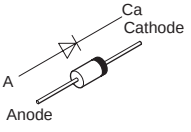

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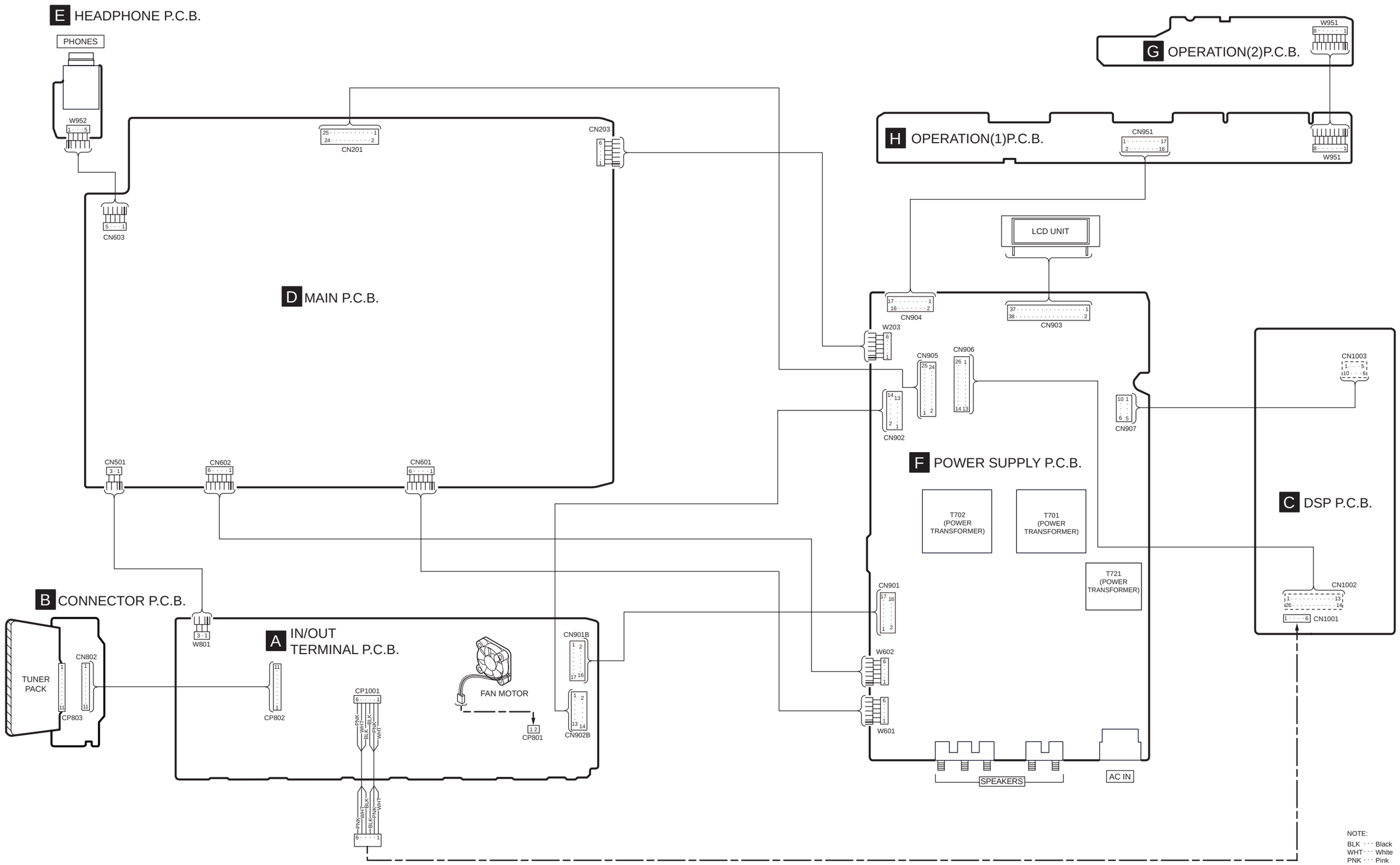
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PHONES
W952
CN603
CN201
CN203
D MAIN P.C.B.
CN501
CN602
CN601
B CONNECTOR P.C.B.
TUNER PACK
CN802
CP803
W801
A IN/OUT TERMINAL P.C.B.
CP802
CP1001
FAN MOTOR
CP801
CN901B
CN902B
G OPERATION(2)P.C.B.
W951
H OPERATION(1)P.C.B.
CN951
W951
LCD UNIT
CN904
CN903
W203
CN905
CN906
CN902
CN907
F POWER SUPPLY P.C.B.
T702 (POWER TRANSFORMER)
T701 (POWER TRANSFORMER)
T721 (POWER TRANSFORMER)
CN901
W602
W601
SPEAKERS
AC IN
C DSP P.C.B.
CN1003
CN1002
CN1001
NOTE:
BLK · · · Black
WHT · · · White
PNK · · · Pink